

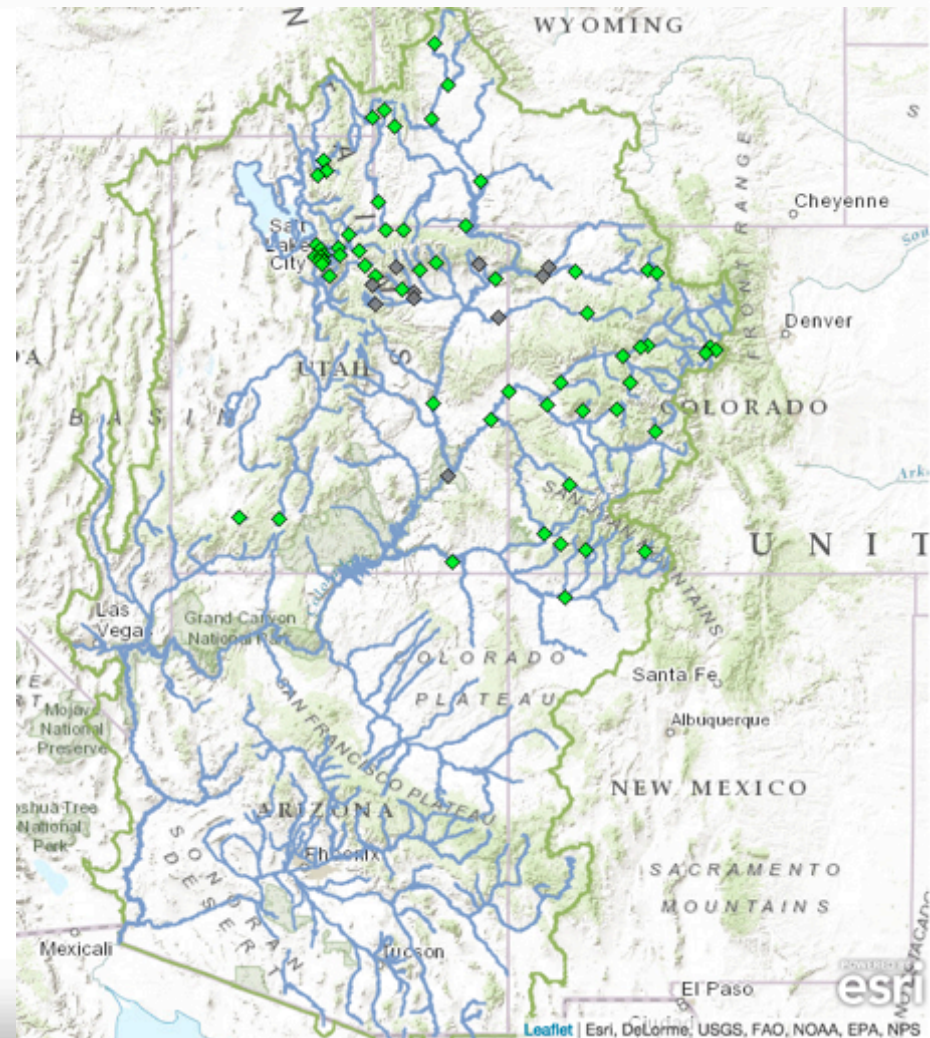
NOAA'S COLORADO BASIN RIVER FORECAST CENTER

PEAK FLOW FORECAST WEBINAR



Overview

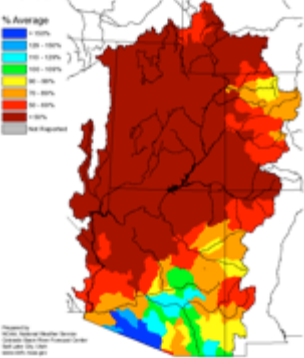
- Current Snow Situation
- Finding and Interpreting Peak Flow Information
- Peak Flow Forecasts
- Spring Weather Impacts / Weather Forecasts



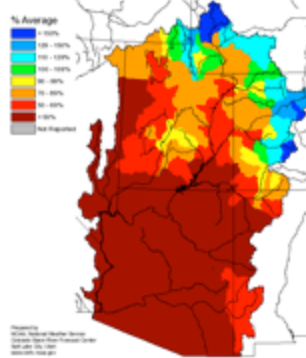
Precipitation to Date

Seasonal Precipitation, October 2014 - February 2015 (Averaged by Hydrologic Unit)

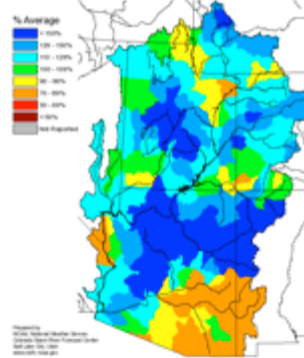
Monthly Precipitation for October 2014
(Averaged by Hydrologic Unit)



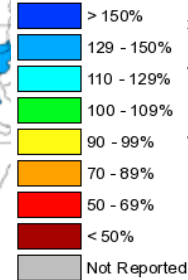
Monthly Precipitation for November 2014
(Averaged by Hydrologic Unit)



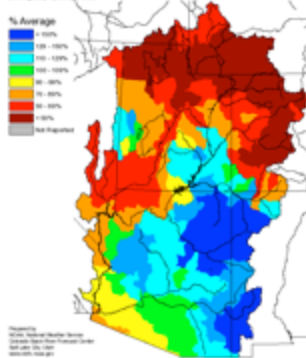
Monthly Precipitation for December 2014
(Averaged by Hydrologic Unit)



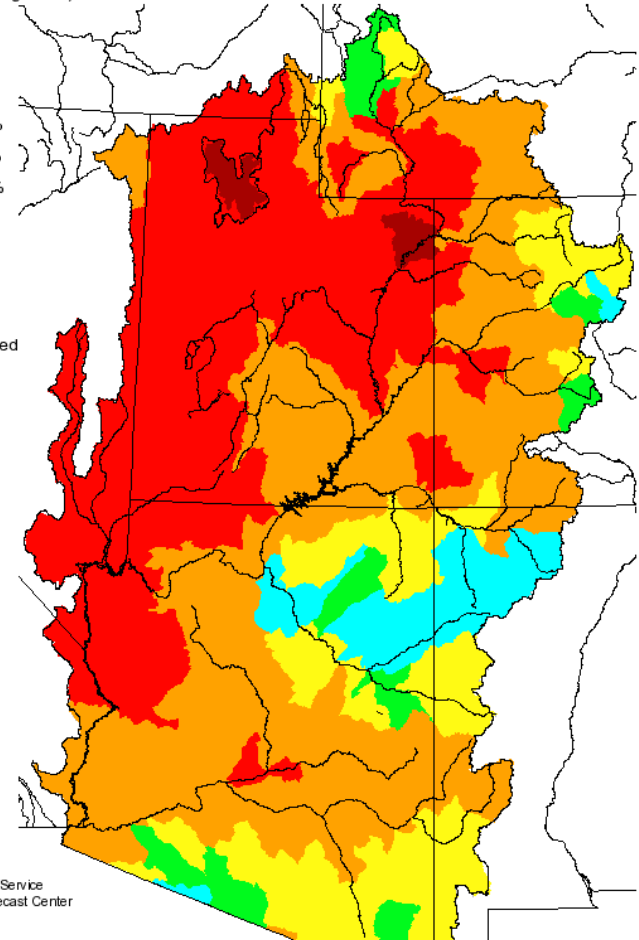
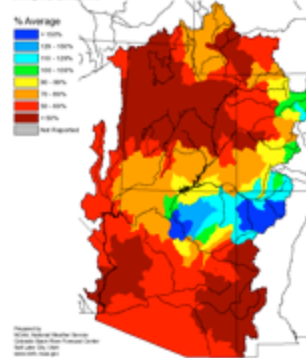
% Average



Monthly Precipitation for January 2015
(Averaged by Hydrologic Unit)

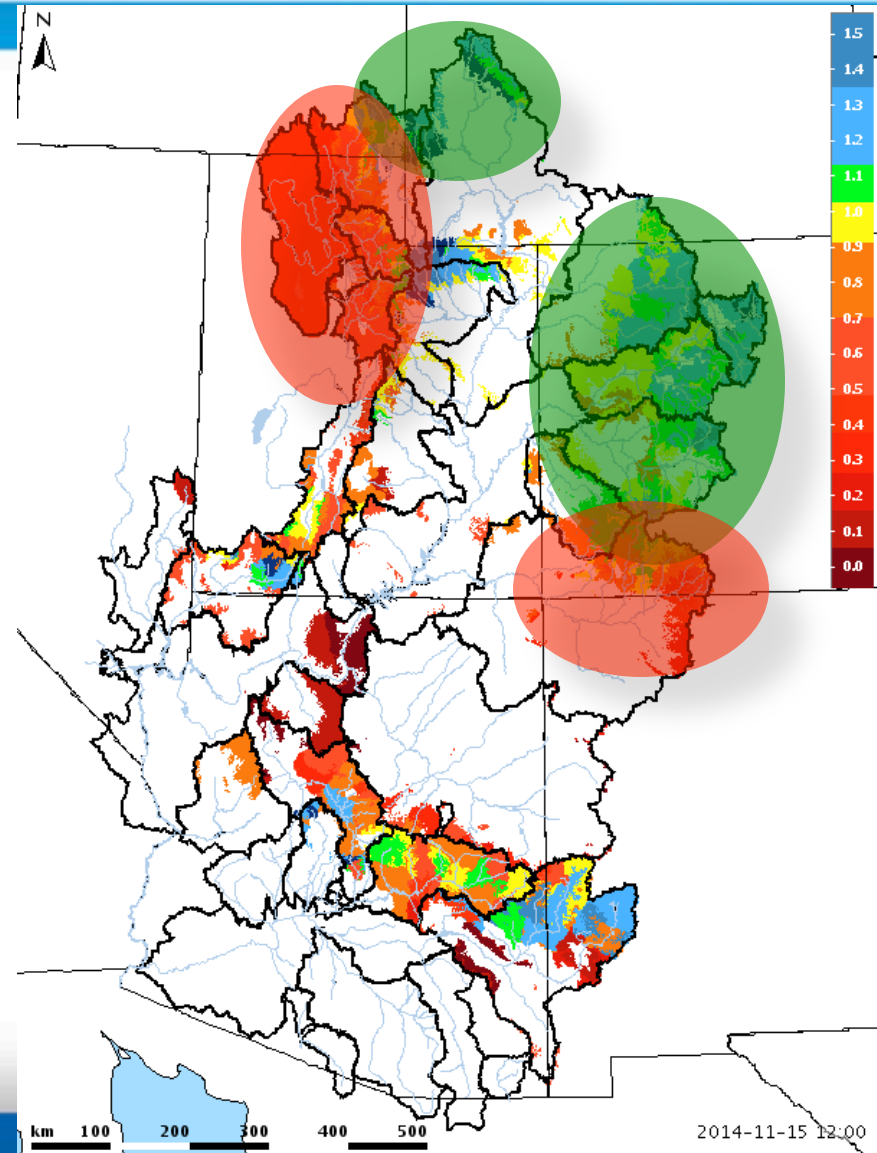


Monthly Precipitation for February 2015
(Averaged by Hydrologic Unit)



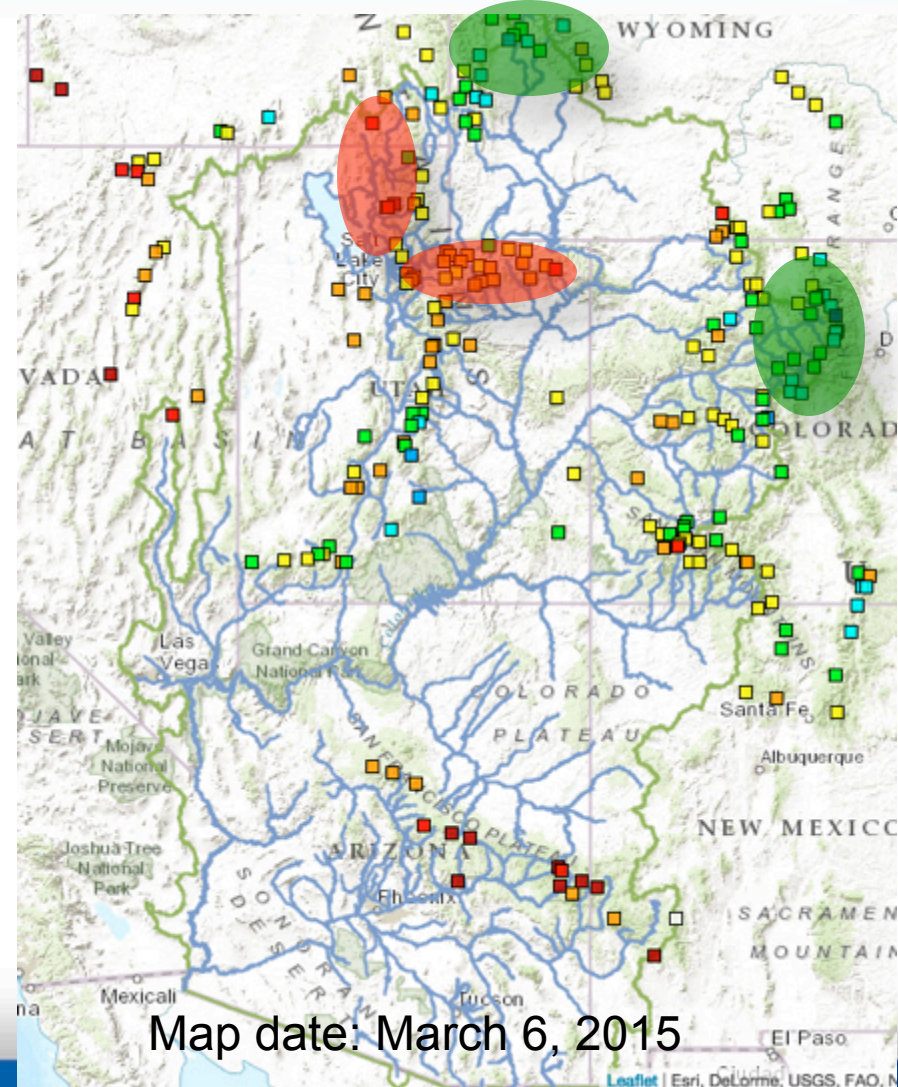
Modeled Soil Moisture

- Very dry conditions throughout the Great Basin Region
- Wet conditions in the Upper Green and Central Colorado regions
- Dry conditions in the headwaters of the San Juan



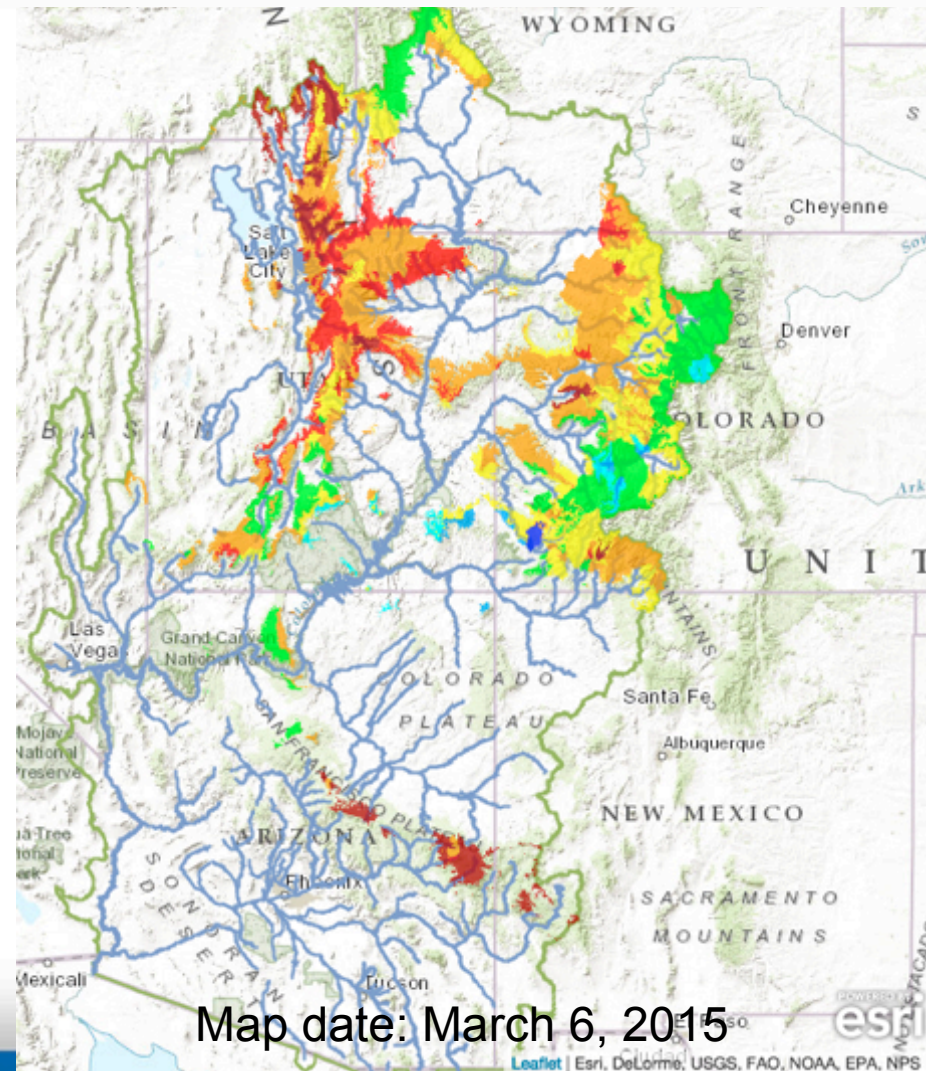
Current Snow Conditions (SNOTEL)

- Most areas at or below normal conditions
 - Areas in the Great and Duchesne Basins are among the lowest on record
 - Better conditions in the Green and Colorado Headwater Regions
- Low chance of exceeding flood levels

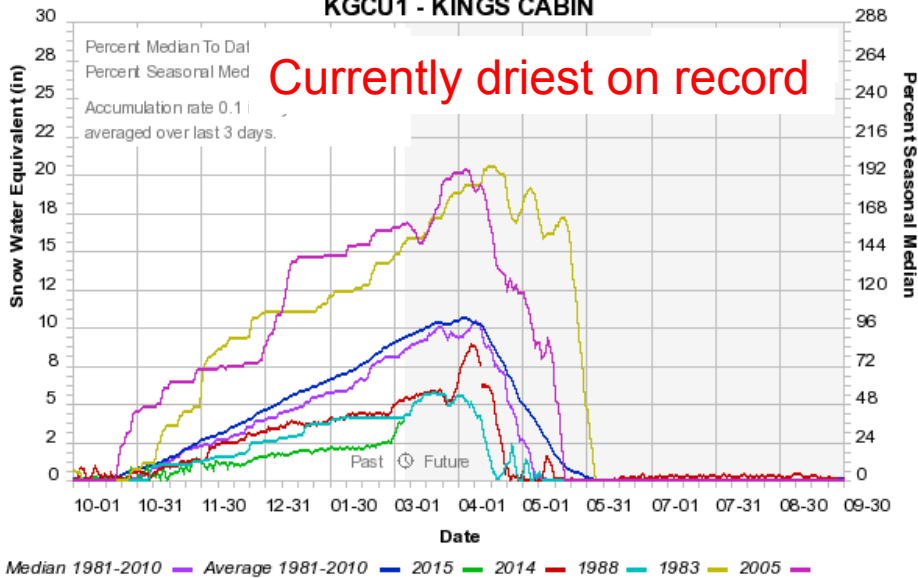


Model Gridded Snow Conditions

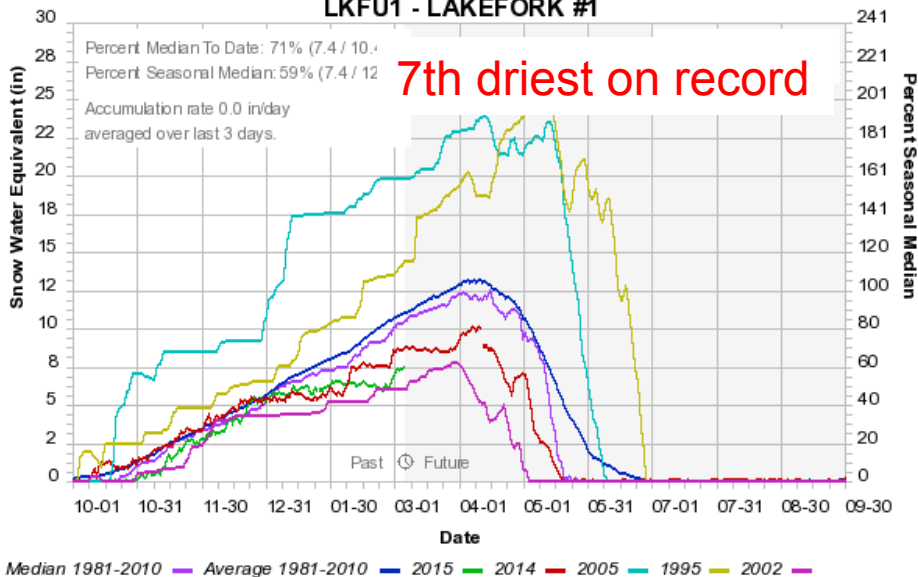
- Accessible now from our home page – provides ability to see how the model views snowpack conditions spatially



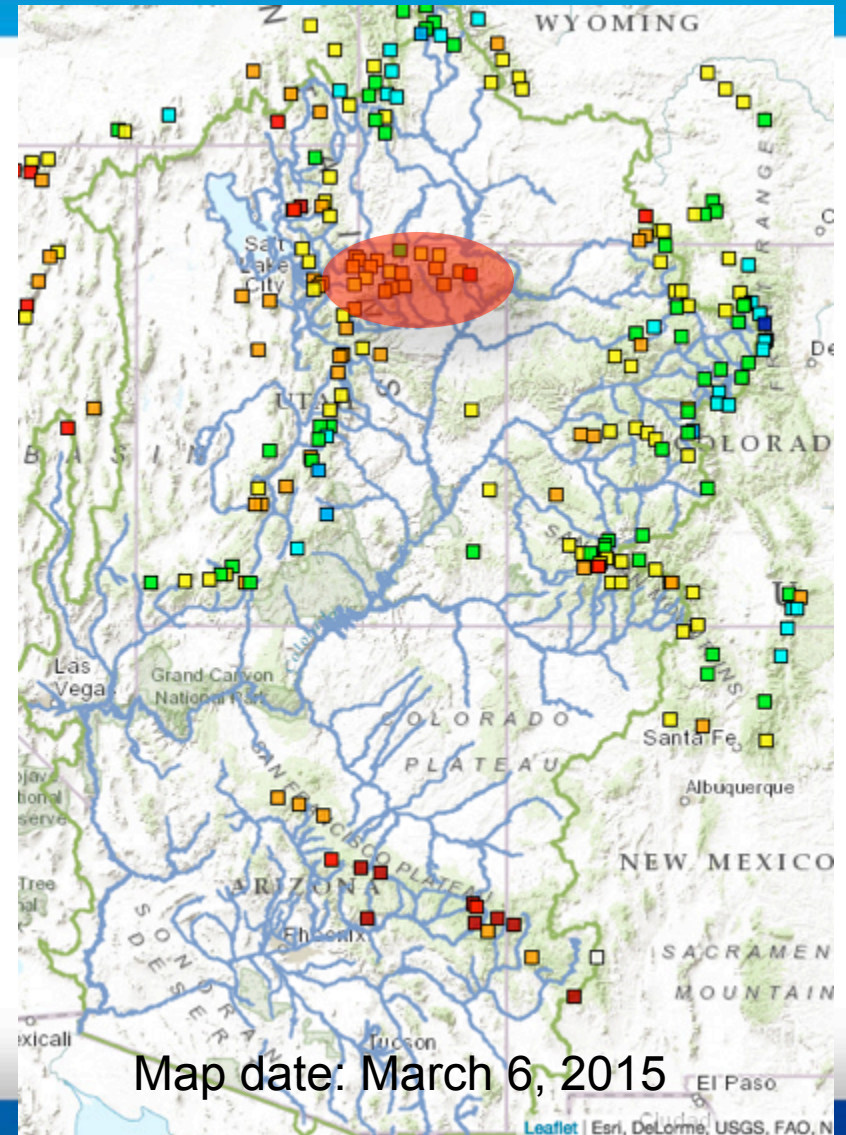
Colorado Basin River Forecast Center
KGCU1 - KINGS CABIN



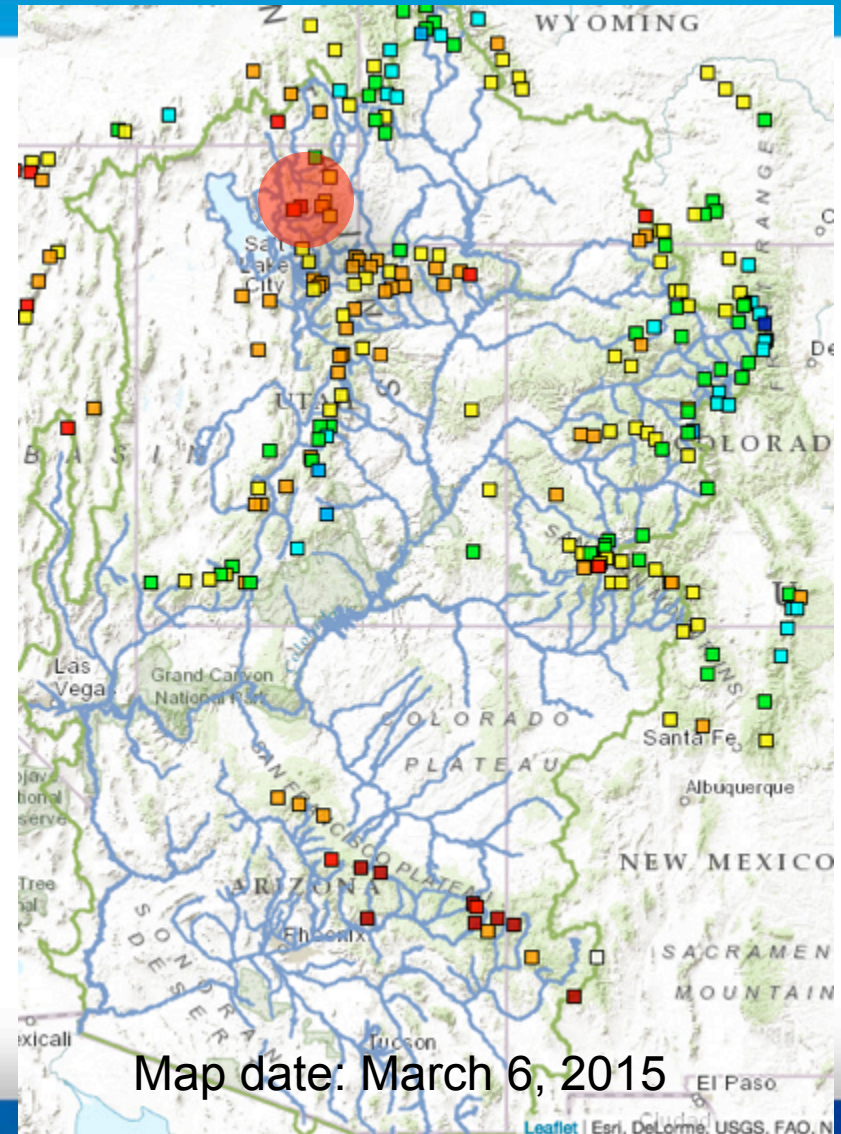
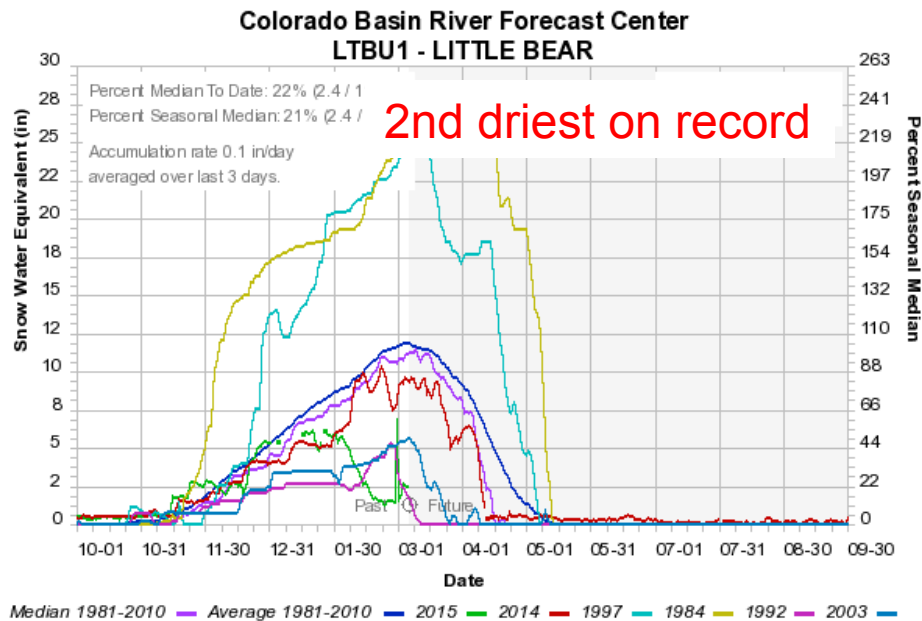
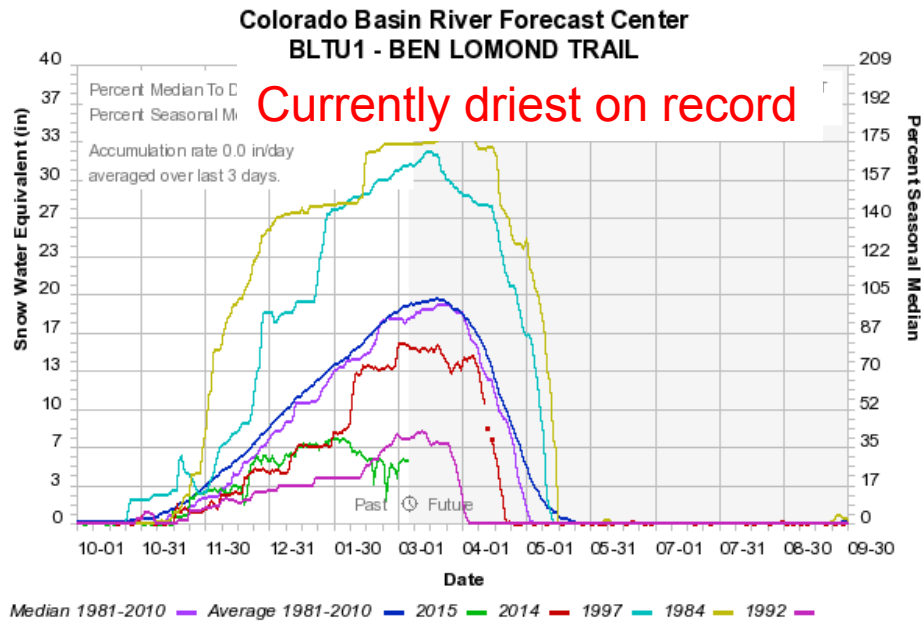
Colorado Basin River Forecast Center
LKFU1 - LAKEFORK #1



Areas of Interest



Areas of Interest



Areas of Interest

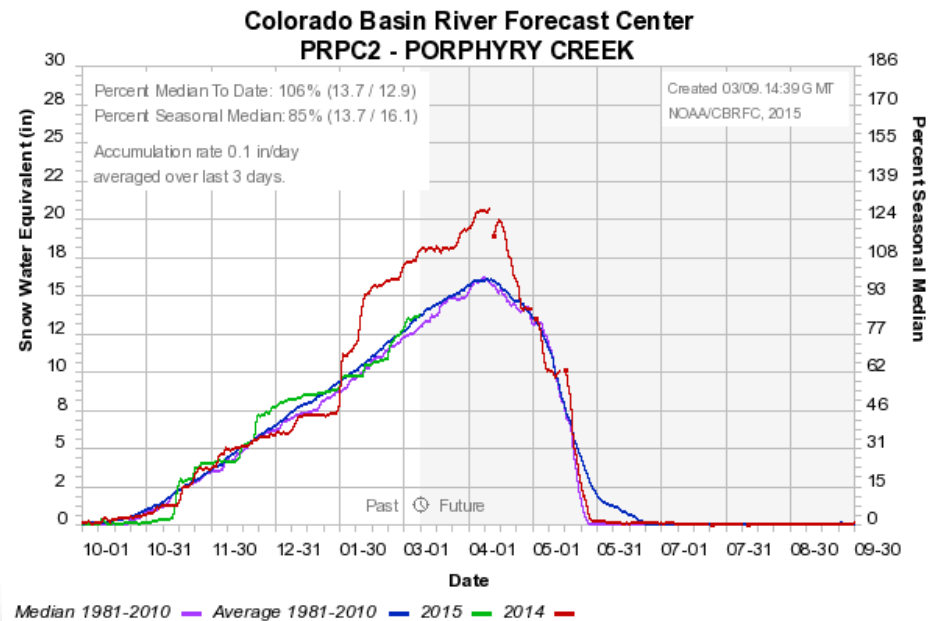
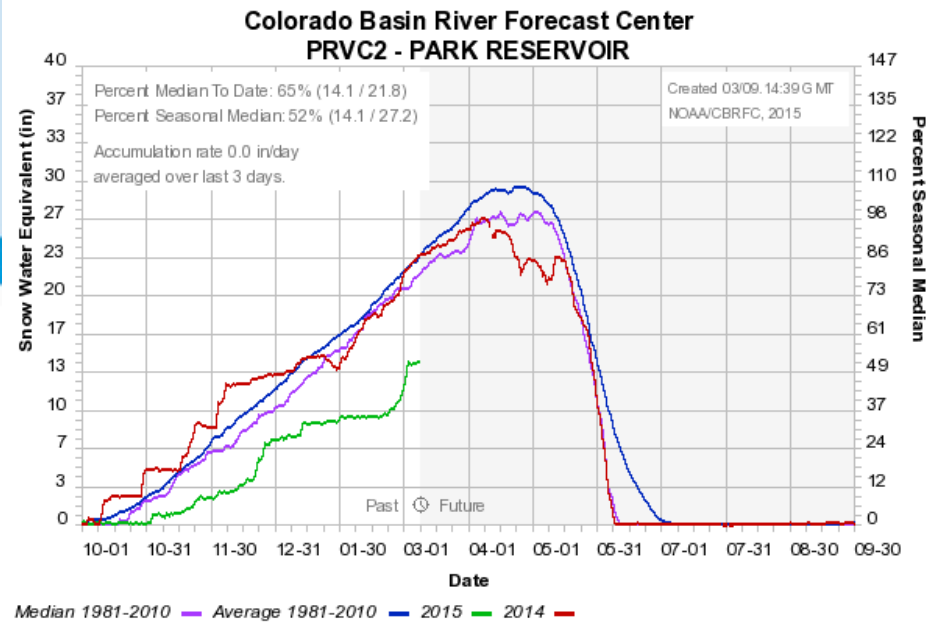


**50% Exceedance
Forecast**

Gunnison Near Grand Junction

Forecast: **8,000 CFS**
 Average: **8,090 CFS**
 Flood: **19,520 CFS**

Last Year: **12,700 CFS**

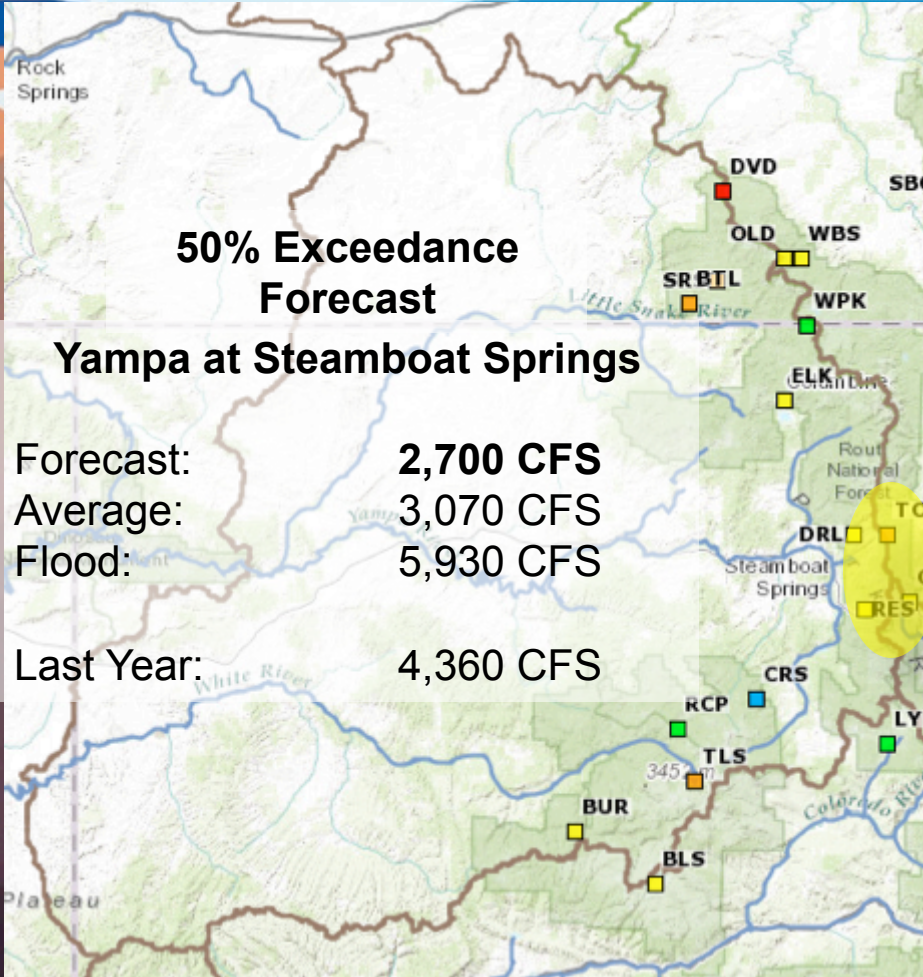


Areas of Interest

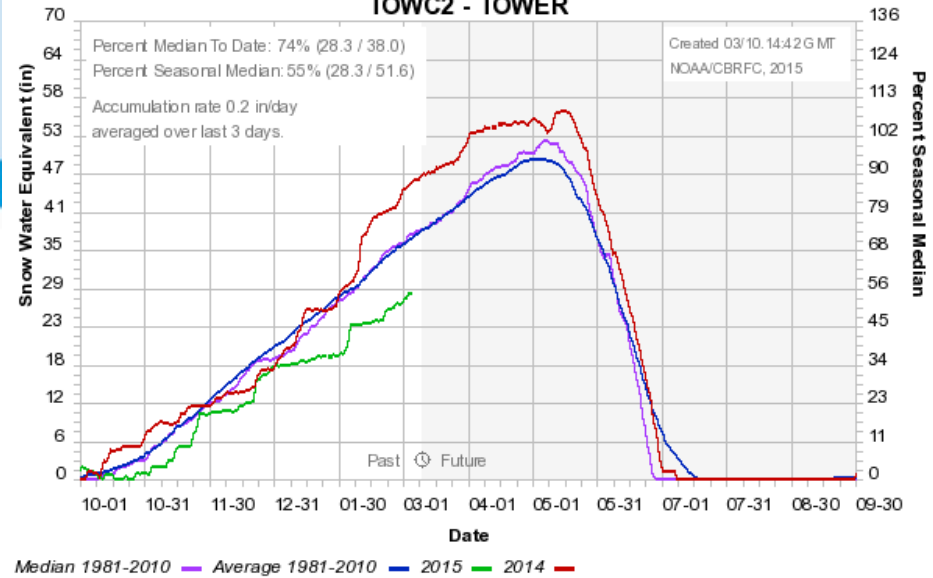
50% Exceedance Forecast

Yampa at Steamboat Springs

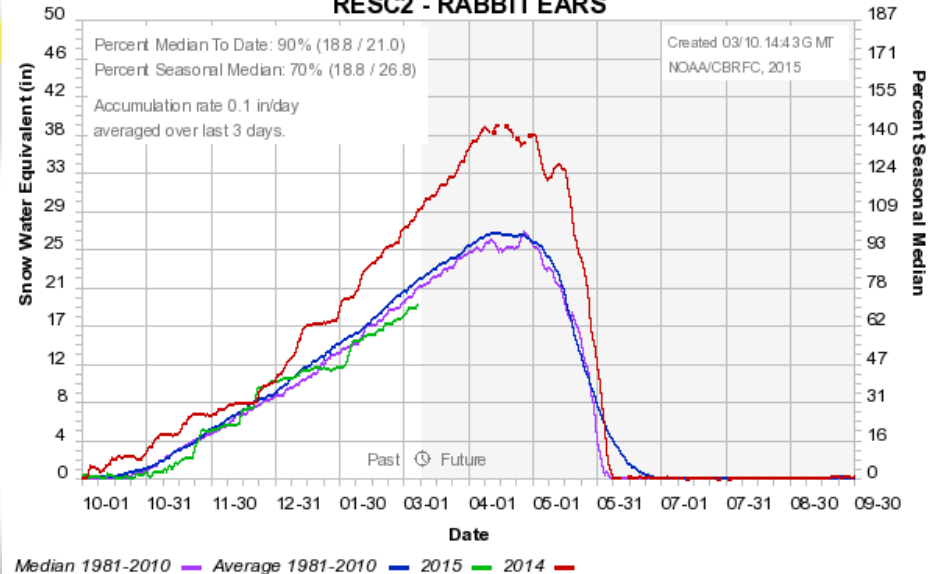
Forecast: **2,700 CFS**
 Average: **3,070 CFS**
 Flood: **5,930 CFS**
 Last Year: **4,360 CFS**



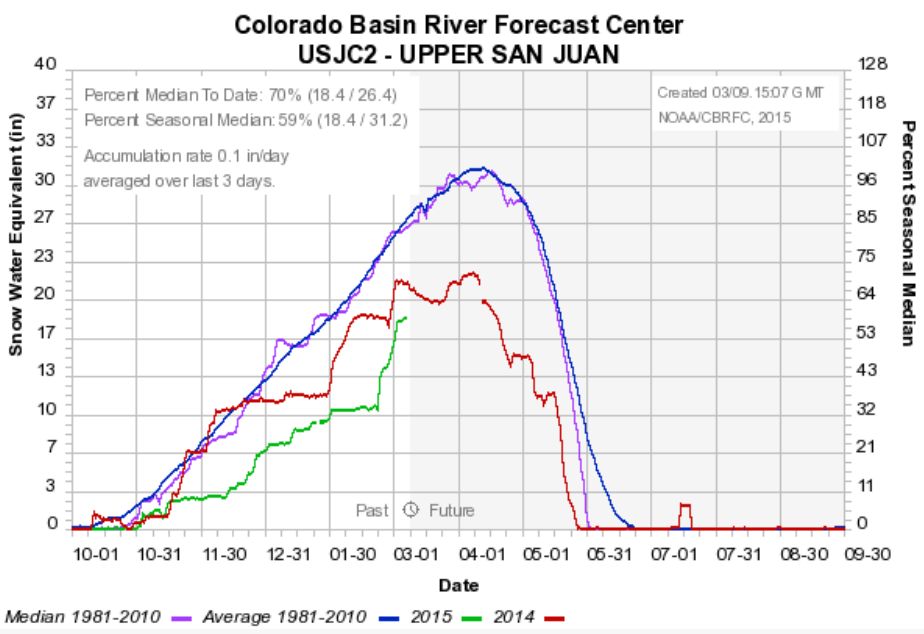
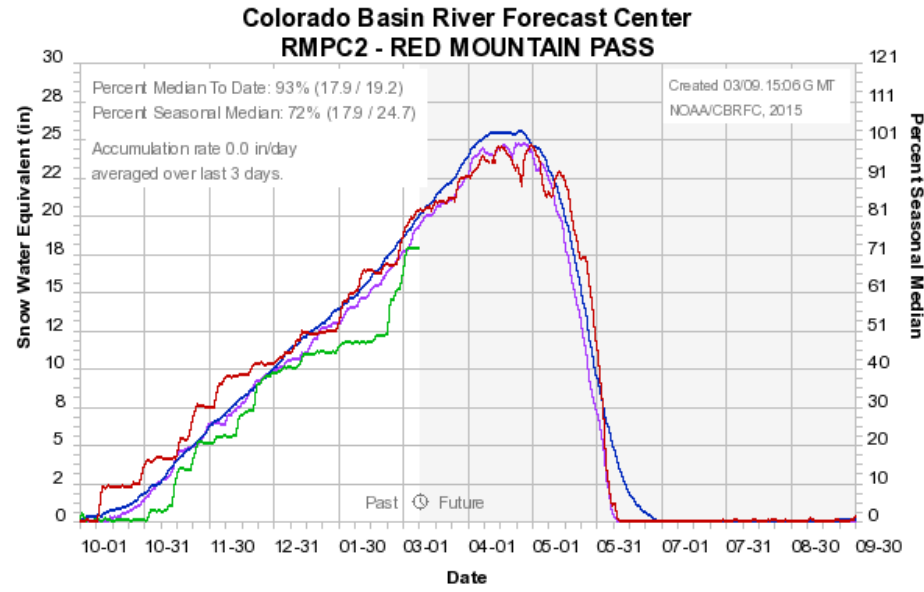
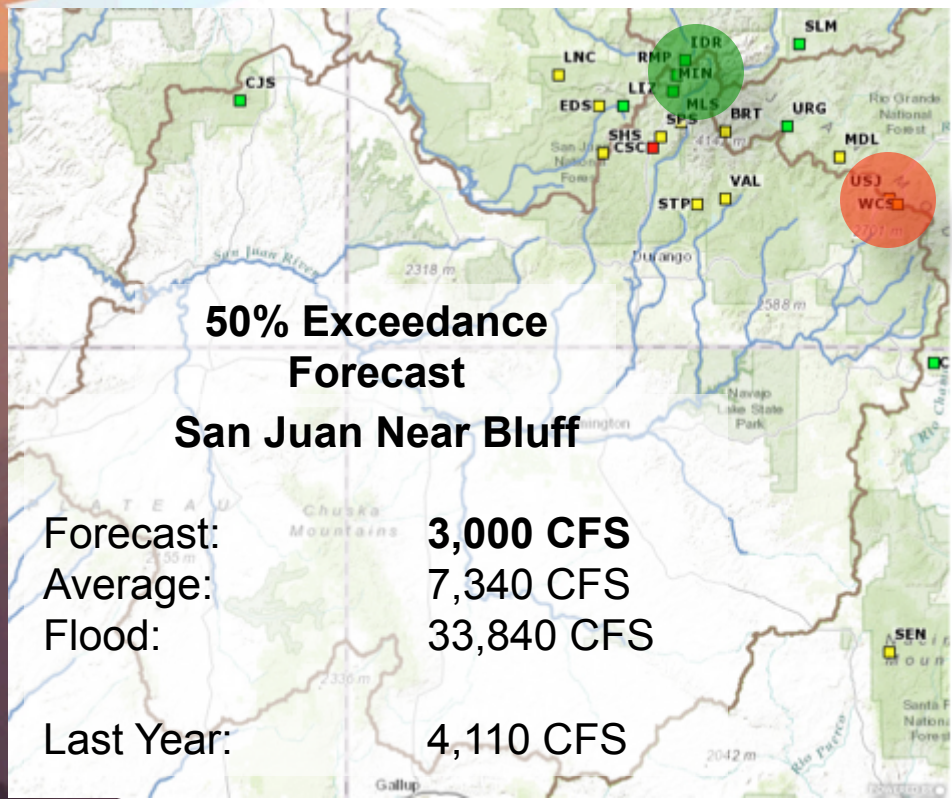
Colorado Basin River Forecast Center TOWC2 - TOWER



Colorado Basin River Forecast Center RESC2 - RABBIT EARS



Areas of Interest



What is a Peak Flow Forecast

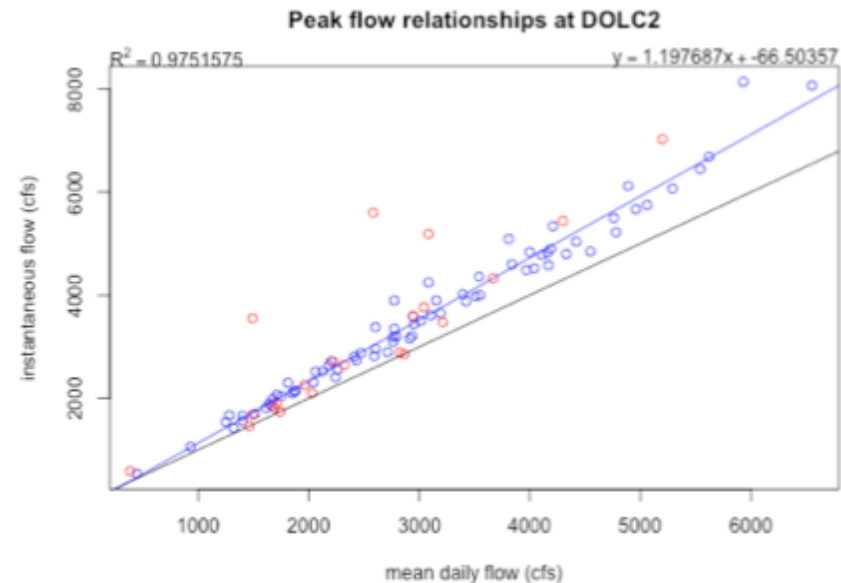
12

- Maximum Mean Daily Flow due to snowmelt (April – July)
- Probabilistic Forecast (Exceedance Probabilities provided)
- Regulated flow
 - Accounts for reservoirs and diversions
 - Scheduled operations (if known), or assumptions based on past
- Forecast magnitudes of peak, not timing of peak
- Issued about twice per month (about 70 points)



Instantaneous Peak Flow Forecast

- Based on observed relationship between max mean daily flow and max instantaneous flow
- Only calculated for sites where a good correlation exists
 - Sites where heavy rain can cause sudden, large peaks generally do not have a good relationship



Where to Find Peak Flow Forecasts

14

- Map:
 - <http://www.cbrfc.noaa.gov/lmap/lmap.php?interface=peak>
- List:
 - <http://www.cbrfc.noaa.gov/rmap/peak/peaklist.php>



COLORADO BASIN RIVER FORECAST CENTER

NATIONAL WEATHER SERVICE / NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

- HOME
- RIVERS**
- SNOW
- WATER SUPPLY
- RESERVOIRS
- WEATHER
- CLIMATE
- HELP
- ABOUT
- NEWS
- SEARCH

News

Next Water Supply Webinar March 5, 1pm MST. [Read More...](#)
 CBRFC presentation are posted here. [Read More...](#)
 CBRFC Webinars are posted here. [Read More...](#)

Conditions Map

[Help](#)



River Conditions

Data updated: Fri, 06 Mar 2015 14:20:01 -0700

Show [Hide Other Types](#)

- Data
- Forecast
- Reservoir
- Official Flood
- Active

- ◆ Not Available
- ◆ Normal
- ◆ Significant Rise
- ◆ Near Bankfull

Follow us on Twitter

HOME

CBRFC
 National Weather Service
 National Oceanic and
 Atmospheric Administration
 Department of Commerce

RIVERS

- Conditions Map
- Conditions List
- Peak Flow Map
- Peak Flow List**
- Peak Flow Archive
- Recreational Forecasts
- Text Products
- Internal Text Products
- 5 Day Flood Outlook
- Hydro Data
- AHPS

SNOW

- Conditions Map
- Conditions List
- Snow Groups

WATER SUPPLY

- Official Forecast Map
- Official Forecast List
- Official Forecast Discussion
- Discussion Archive
- Official Forecast Publication
- Publication Archive
- Specific Site Archive
- ESP Forecast Map
- ESP Forecast List
- 2014 Verification Map
- Historical Verification Map
- Documentation
- Precipitation
- Temperature
- Soil Moisture
- Internal Tools
- Special Forecast Products

RESERVOIRS

- Conditions Map
- Conditions List
- Webcat
- Dam/Break

WEATHER

- Forecast QPF
- Observed Summary
- Observed Precipitation
- Observed Temperature
- Observed Freezing Level
- National Precip Forecast
- Radar
- Radar Bias
- Satellite

CLIMATE

- Hydroclimatology
- Climate Change
- Data and Indices
- Forecasts
- El Nino and MJJ

HELP

- General
- Water Supply
- Documentation
- Sac-SMA Model
- Peak Forecasts

ABOUT

- Contact Us
- Organization
- Cooperating Offices
- Papers and Presentations
- Podcasts
- Downloads
- Wiki
- Schedule 2014
- Schedule 2015
- Blog

NEWS

- CBRFC News
- Email Updates



National Oceanic and Atmospheric Administration
 National Weather Service
 Colorado Basin River Forecast Center
 2242 West North Temple
 Salt Lake City, Utah 84116

Disclaimer
 Information Quality
 Contact Us

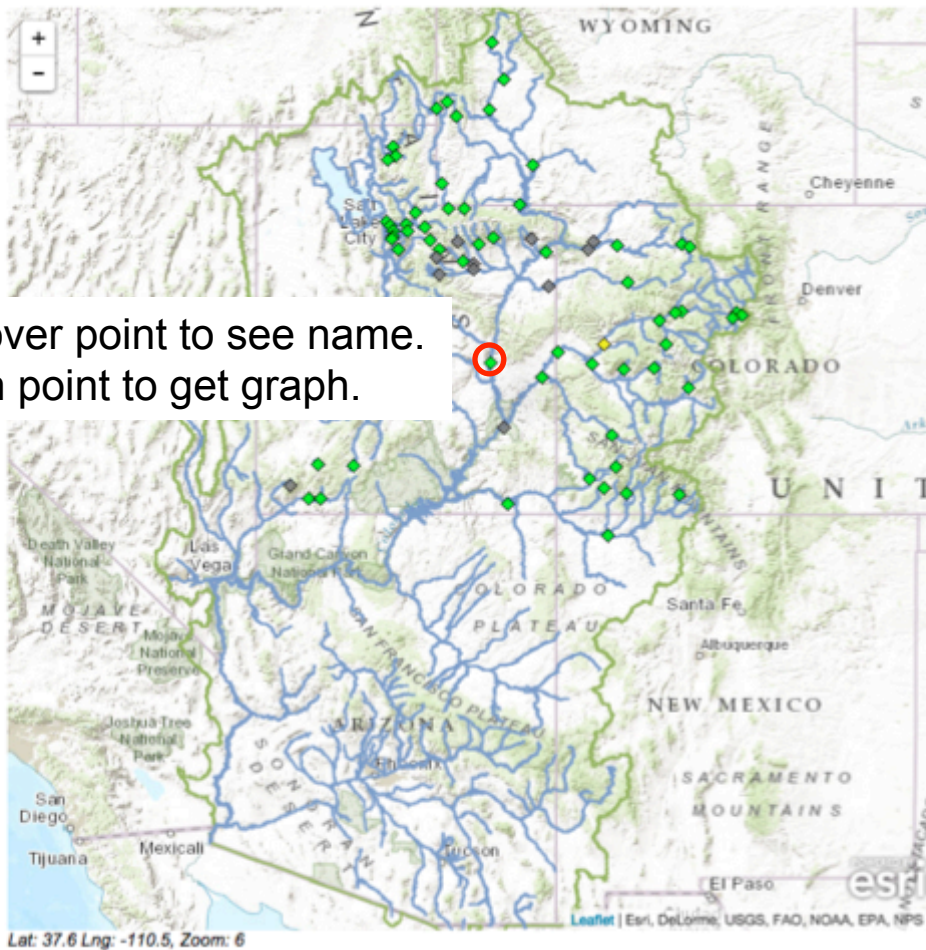
Privacy Policy
 Freedom of Information Act
 Feedback
 Original Map
 CBRFC/NOAA Access

News

Next Water Supply Webinar March 5, 1pm MST. [Read More...](#)
CBRFC presentation are posted here. [Read More...](#)
CBRFC Webinars are posted here. [Read More...](#)

Conditions Map

[Help](#)



Hover over point to see name.
Click on point to get graph.

- River Conditions
- Snow Conditions
- Water Supply Forecasts
- Peak Flood Probability**
 - Forecast Date: 2015-03-01 [Help](#)
 - Show [Hide Other Types](#)
 - Mean Daily
 - Instantaneous
 - No Forecast
 - No Flood Stage
 - <10%
 - >10-25%
 - >25-50%
 - >50%
- Reservoir Conditions
- Weather Conditions
- Map Options
- Search Points

Green = Low probability of reaching flood flow

Red = High probability of reaching flood flow

Peak Flood Probability Legend

◇ No Forecast ◇ No Flood Stage ◆ <10 ◆ >10 ◆ >25 ◆ >50

Options (on/off): Mean Daily Forecasts Instantaneous Forecasts Plot

Select by Area: CBRFC Green Colorado San Juan Great Sevier Virgin Low Col

Columns (on/off): ID River Location Flood Flow PI Issue Date Observed Peak to Date Observed Date Historic Peak Hist Peak Date Average Peak Normal Earliest Date Normal Latest Date Last Year Peak Last Year Date Notes Area Sub Area DS

Click column heading to sort by that data. Click ID to view point info

ID	River	Location	Flood Flow	PI	Issue Date	Mean Daily 90	Mean Daily 75	Mean Daily 50	Mean Daily 25	Mean Daily 10	Inst 90	Inst 75	Inst 50	Inst 25	Inst 10	Observed Peak to Date	Observed Date	Notes	Area	Sub Area	DS	
1	AFPU1	American Fork	American Fork	870	◆	2015-03-01	90	120	160	180	210	97	130	180	200	250	NA			Great	Utah Lake	13
2	ALEC2	East	Almont	3170	◆	2015-03-01	1050	1300	1400	1750	2100	1100	1200	1600	1800	2300	NA			Colorado	Gunnison	15
3	ARFN5	Animas	Farmington	8810	◆	2015-03-01	2200	2600	3000	3700	4300	2700	3100	3600	4300	4900	NA		Peak Flow Forecasts On The Animas At Farmington Are Affected By The Durango Pumping Plant.	San Juan		3
4	BCTU1	Big Cottonwood Ck	Salt Lake City	798	◆	2015-03-01	150	180	230	270	360	NA	NA	NA	NA	NA	NA		Utah	Six Creeks	18	
5	BERU1	Bear	Utah	3364	◆	2015-03-01	970	1150	1300	1550	1750	1200	1400	1600	1900	2100	NA			Great	Bear	1
6	BEFU1	San Juan	Bluff	33840	◆	2015-03-01	2000	2400	3000	3700	4300	2800	3200	3900	4600	5200	NA		Peak Flow Forecasts On The San Juan Below Navajo Reservoir Are Based On Usbr Planned Regulation	San Juan		5
7	BNRU1	Blacks Fork	Robertson	2920	◆	2015-03-01	600	700	900	1100	1450	740	860	1100	1300	1800	NA			Green	Upper	6
8	BQRW4	Smiths Fork	Border	3724	◆	2015-03-01	580	640	770	870	930	610	670	800	910	970	NA			Great	Bear	3
9	BPNW4	New Fork	Big Piney	8846	◆	2015-03-01	2500	2800	3600	4200	5000	2600	2900	3700	4300	5100	NA			Green	Upper	2
10	BRBW4	Bear	Border	3216	◆	2015-03-01	1050	1200	1450	1800	2200	1100	1200	1600	1800	2200	NA			Great	Bear	4
11	BRUU1	Big Brush Ck	Vernal	NA	◆	2015-03-01	60	100	150	200	280	NA	NA	NA	NA	NA	NA			Green		16
12	CAMC2	Colorado	Cameo	26000	◆	2015-03-01	10000	11000	14500	18000	27000	11000	12000	15000	19000	28000	NA			Colorado	Mainstem	14
13	CCSU1	City Ck	Salt Lake City	200	◆	2015-03-01	18	25	30	50	60	NA	NA	NA	NA	NA	NA			Great	Six Creeks	23
14	CCUC2	Colorado	Co	46200	◆	2015-03-01	16500	17500	21500	26000	37000	17000	18000	22000	27000	38000	NA			Colorado	Mainstem	22
15	CIVU1	Chalk Ck	Coalville	1342	◆	2015-03-01	190	230	310	470	580	210	250	350	540	670	NA			Great	Weber	9
16	CLRU1	Colorado	Cisco	59500	◆	2015-03-01	18000	19000	23000	28000	39000	19000	20000	24000	29000	40000	NA			Colorado	Mainstem	23
17	COAU1	Coal Ck	Cedar City	1540	◆	2015-03-01	70	90	140	210	250	NA	NA	NA	NA	NA	NA			Sevier		2
18	CRUU1	Currant Ck	Currant Ck Res	NA	◆	2015-03-01	70	110	150	200	250	NA	NA	NA	NA	NA	NA			Green		18



Peak Flood Probability Legend

◇ No Forecast ◇ No Flood Stage ◆ <10 ◆ >10 ◆ >25 ◆ >50

Options (on/off): [Mean Daily Forecasts](#) [Instantaneous Forecasts](#) [Plot](#)

Select by Area: [CBRFC](#) [Green](#) [Colorado](#) [San Juan](#) [Great](#) [Sevier](#) [Virgin](#) [Low Col](#)

Columns (on/off): [ID](#) [River](#) [Location](#) [Flood Flow](#) [PI](#) [Issue Date](#) [Observed Peak to Date](#) [Observed Date](#) [Historic Peak](#) [Hist Peak Date](#) [Average Peak](#) [Normal Earliest Date](#) [Normal Latest Date](#) [Last Year Peak](#) [Last Year Date](#) [Notes](#) [Area](#) [Sub Area](#) [DS](#)

Click column heading to sort by that data. Click ID to view point info.

ID	River	Location	Flood Flow	PI	Issue Date	Mean Daily 90	Mean Daily 75	Mean Daily 50	Mean Daily 25	Mean Daily 10	Inst 90	Inst 75	Inst 50	Inst 25	Inst 10	Observed Peak to Date	Observed Date	Area	Sub Area	DS	
1	AFPU1	American Fork	American Fork	870	◆ 2015-03-01	90	120	160	180	220	97	130	180	200	250	NA				13	
2	ALEC2	East	Almont	3170	◆ 2015-03-01	1050	1200	1400	1750	2100	1100	1300	1500	1900	2300	NA				15	
3	ARFN5	Animas	Farmington	8810	◆ 2015-03-01	2200	2600	3000	3700	4300	2700	3100	3600	4300	4900	NA		Peak Flow Forecasts On The Animas At Farmington Are Affected By The Durango Pumping Plant.	San Juan	3	
4	BCTU1	Big Cottonwood Ck	Salt Lake City	798	◆ 2015-03-01	150	180	230	270	360	NA	NA	NA	NA	NA	NA			Great	Six Creeks	18
5	BERU1	Bear	Utah	3364	◆ 2015-03-01	970	1150	1300	1550	1750	1200	1400	1600	1900	2100	NA			Great	Bear	1
6	BEFU1	San Juan	Bluff	33840	◆ 2015-03-01	2000	2400	3000	3700	4300	2800	3200	3900	4600	5200	NA		Peak Flow Forecasts On The San Juan Below Navajo Reservoir Are Based On Usbr Planned Regulation	San Juan	5	
7	BNRU1	Blacks Fork	Robertson	2920	◆ 2015-03-01	600	700	900	1100	1450	740	860	1100	1300	1800	NA			Green	Upper	6
8	BQRW4	Smiths Fork	Border	3724	◆ 2015-03-01	580	640	770	870	930	610	670	800	910	970	NA			Great	Bear	3
9	BPNW4	New Fork	Big Piney	8846	◆ 2015-03-01	2500	2800	3600	4200	5000	2600	2900	3700	4300	5100	NA			Green	Upper	2
10	BRBW4	Bear	Border	3216	◆ 2015-03-01	1050	1200	1450	1800	2200	1100	1200	1500	1800	2200	NA			Great	Bear	4
11	BRUU1	Big Brush Ck	Vernal	NA	◆ 2015-03-01	60	100	150	200	280	NA	NA	NA	NA	NA	NA			Green		16
12	CAMC2	Colorado	Cameo	26000	◆ 2015-03-01	10000	11000	14500	18000	27000	11000	12000	15000	19000	28000	NA			Colorado	Mainstem	14
13	CCSU1	City Ck	Salt Lake City	200	◆ 2015-03-01	18	25	30	50	60	NA	NA	NA	NA	NA	NA			Great	Six Creeks	23
14	CCUC2	Colorado	Co	46200	◆ 2015-03-01	16500	17500	21500	26000	37000	17000	18000	22000	27000	38000	NA			Colorado	Mainstem	22
15	CIVU1	Chalk Ck	Coalville	1342	◆ 2015-03-01	190	230	310	470	580	210	250	350	540	670	NA			Great	Weber	9
16	CLRU1	Colorado	Cisco	59500	◆ 2015-03-01	18000	19000	23000	28000	39000	19000	20000	24000	29000	40000	NA			Colorado	Mainstem	23
17	COAU1	Coal Ck	Cedar City	1540	◆ 2015-03-01	70	90	140	210	250	NA	NA	NA	NA	NA	NA			Sevier		2
18	CRUU1	Currant Ck	Currant Ck Res	NA	◆ 2015-03-01	70	110	150	200	250	NA	NA	NA	NA	NA	NA			Green		18

Text in orange is 'on'.
Text in blue is 'off'.



Peak Flood Probability Legend

◇ No Forecast ◇ No Flood Stage ◆ <10 ◆ >10 ◆ >25 ◆ >50

Options (on/off): [Mean Daily Forecasts](#) [Instantaneous Forecasts](#) [Plot](#)

Select by Area: [CBRFC](#) [Green](#) [Colorado](#) [San Juan](#) [Great](#) [Sevier](#) [Virgin](#) [Low Col](#)

Columns (on/off): [ID](#) [River](#) [Location](#) [Flood Flow](#) [PI](#) [Issue Date](#) [Observed Peak to Date](#) [Observed Date](#) [Historic Peak](#) [Hist Peak Date](#) [Average Peak](#) [Normal Earliest Date](#) [Normal Latest Date](#) [Last Year Peak](#) [Last Year Date](#) [Notes](#) [Area](#) [Sub Area](#) [DS](#)

These options always reference mean daily peaks.

Click column heading to sort by that data. Click ID to view point info.

ID	River	Location	Flood Flow	PI	Issue Date	Mean Daily 90	Mean Daily 75	Mean Daily 50	Mean Daily 25	Mean Daily 10	Inst 90	Inst 75	Inst 50	Inst 25	Inst 10	Observed Peak to Date	Observed Date	Notes	Area	Sub Area	DS	
1	AFPU1	American Fork	American Fork	870	◆	2015-03-01	90	120	160	180	220	97	130	180	200	250	NA			Great	Utah Lake	13
2	ALEC2	East	Almont	3170	◆	2015-03-01	1050	1200	1400	1750	2100	1100	1300	1500	1900	2300	NA			Colorado	Gunnison	15
3	ARFN5	Animas	Farmington	8810	◆	2015-03-01	2200	2600	3000	3700	4300	2700	3100	3600	4300	4900	NA	Peak Flow Forecasts On The Animas At Farmington Are Affected By The Durango Pumping Plant.		San Juan		3
4	BCTU1	Big Cottonwood Ck	Salt Lake City	798	◆	2015-03-01	150	180	230	270	360	NA	NA	NA	NA	NA	NA			Great	Six Creeks	18
5	BERU1	Bear	Utah	3364	◆	2015-03-01	970	1150	1300	1550	1750	1200	1400	1600	1900	2100	NA			Great	Bear	1
6	BEFU1	San Juan	Bluff	33840	◆	2015-03-01	2000	2400	3000	3700	4300	2800	3200	3900	4600	5200	NA	Peak Flow Forecasts On The San Juan Below Navajo Reservoir Are Based On Usbr Planned Regulation		San Juan		5
7	BNRU1	Blacks Fork	Robertson	2920	◆	2015-03-01	600	700	900	1100	1450	740	860	1100	1300	1800	NA			Green	Upper	6
8	BORW4	Smiths Fork	Border	3724	◆	2015-03-01	580	640	770	870	930	610	670	800	910	970	NA			Great	Bear	3
9	BPNW4	New Fork	Big Piney	8846	◆	2015-03-01	2500	2800	3600	4200	5000	2600	2900	3700	4300	5100	NA			Green	Upper	2
10	BRBW4	Bear	Border	3216	◆	2015-03-01	1050	1200	1450	1800	2200	1100	1200	1500	1800	2200	NA			Great	Bear	4
11	BRUU1	Big Brush Ck	Vernal	NA	◇	2015-03-01	60	100	150	200	280	NA	NA	NA	NA	NA	NA			Green		16
12	CAMC2	Colorado	Cameo	26000	◆	2015-03-01	10000	11000	14500	18000	27000	11000	12000	15000	19000	28000	NA			Colorado	Mainstem	14
13	CCSU1	City Ck	Salt Lake City	200	◆	2015-03-01	18	25	30	50	60	NA	NA	NA	NA	NA	NA			Great	Six Creeks	23
14	CCUC2	Colorado	Co	46200	◆	2015-03-01	16500	17500	21500	26000	37000	17000	18000	22000	27000	38000	NA			Colorado	Mainstem	22
15	CIVU1	Chalk Ck	Coalville	1342	◆	2015-03-01	190	230	310	470	580	210	250	350	540	670	NA			Great	Weber	9
16	CLRU1	Colorado	Cisco	59500	◆	2015-03-01	18000	19000	23000	28000	39000	19000	20000	24000	29000	40000	NA			Colorado	Mainstem	23
17	COAU1	Coal Ck	Cedar City	1540	◆	2015-03-01	70	90	140	210	250	NA	NA	NA	NA	NA	NA			Sevier		2
18	CRUU1	Currant Ck	Currant Ck Res	NA	◇	2015-03-01	70	110	150	200	250	NA	NA	NA	NA	NA	NA			Green		18

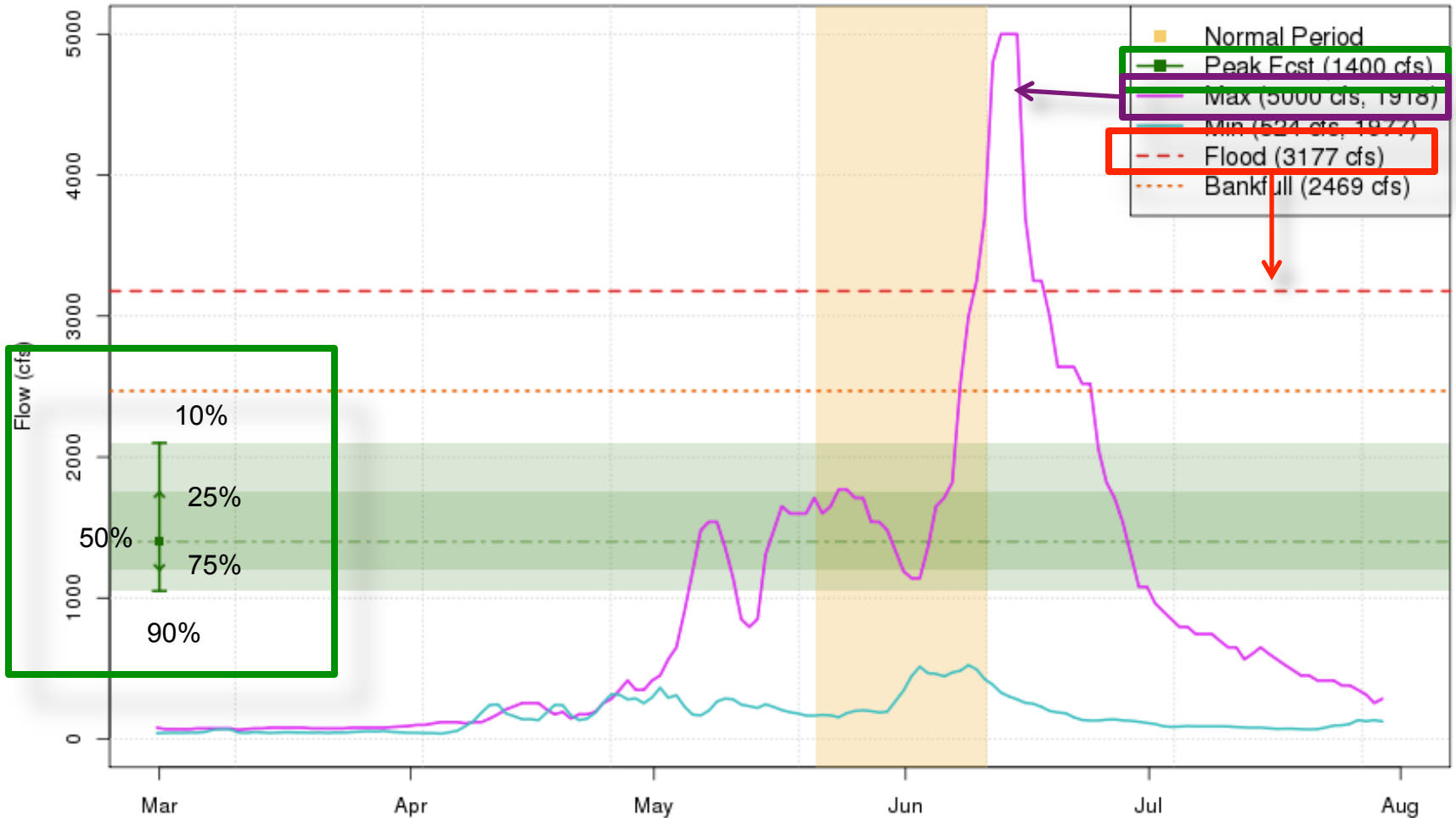


ALEC2 Peak Flow Forecasts

[Mean Daily Plot](#) [Instantaneous Plot](#) [Forecasts](#) [Observations](#) [Help](#)

Plot Options (on/off): [Record Year Data](#) [Yearly Peaks](#) [Flood Flow](#)

2015 Mean Daily Peak Flow Forecast East - Almont (ALEC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1

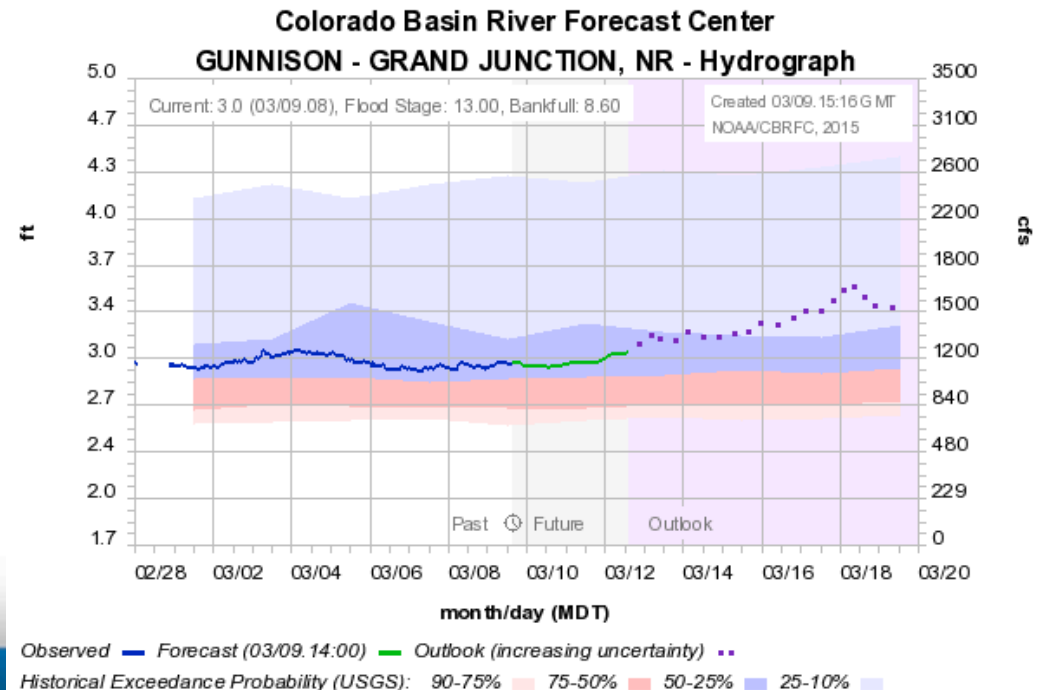
Plot Created 2015-03-04 13:47:00
CBRFC / NWS / NOAA

Time of Peak

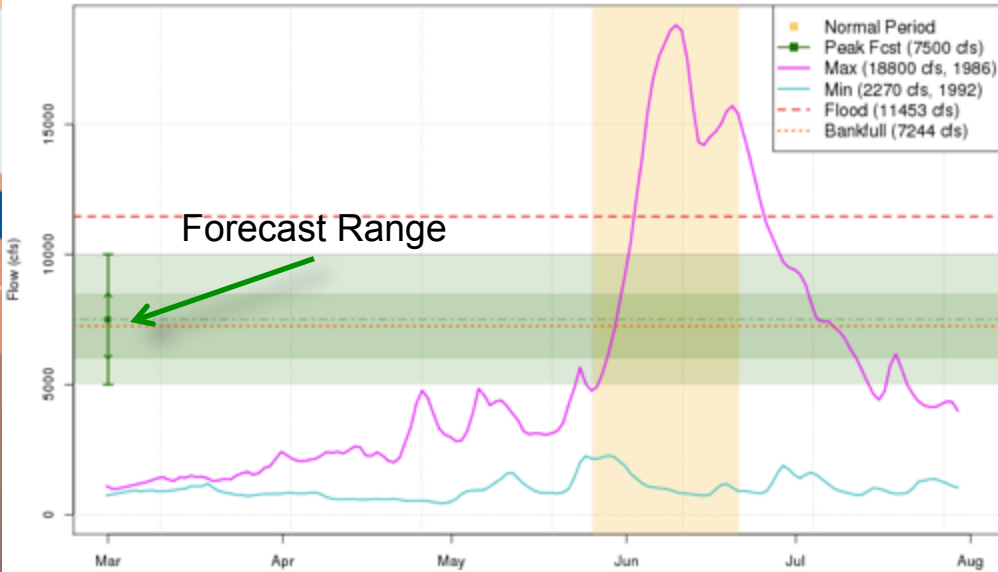
21

- Peak forecasts are long range outlooks and DO NOT forecast the time of peak
- As a peak nears or approaches critical levels, daily forecast hydrographs is the source for up-to-date information

Peak flow list may indicate “Peaking Soon” or “Peak has Already Occurred”



2015 Mean Daily Peak Flow Forecast
Green - La Barge- Nr (LABW4)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:43:47
CBRFC / NWS / NOAA

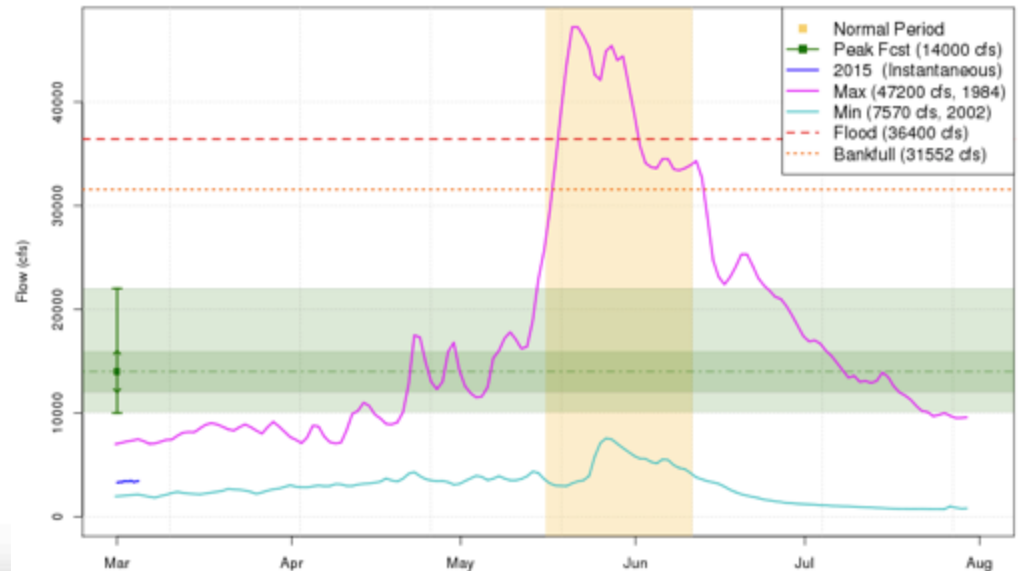
Green River – LaBarge

Forecast:	3,600 CFS
Average:	8,000 CFS
Flood:	11,500 CFS
Last Year:	11,000 CFS

Green River – Green River, WY

Forecast:	6,000 CFS
Average:	5,790 CFS
Flood:	11,000 CFS
Last Year:	7,990 CFS

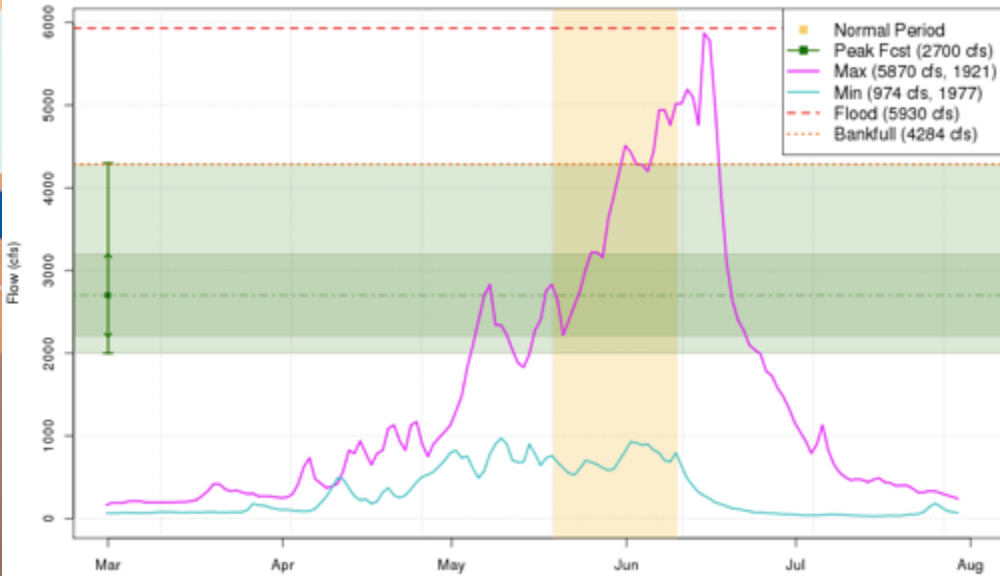
2015 Mean Daily Peak Flow Forecast
Green - Green River- Ut (GRVU1)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:43:32
CBRFC / NWS / NOAA

Forecasts are 50% Exceedance Forecast

2015 Mean Daily Peak Flow Forecast
Yampa - Steamboat Springs (STMC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1

Plot Created 2015-03-04 13:44:08
CBRFC / NWS / NOAA

Yampa – Steamboat Springs

Forecast: **2,700 CFS**
 Average: 3,070 CFS
 Flood: 5,930 CFS

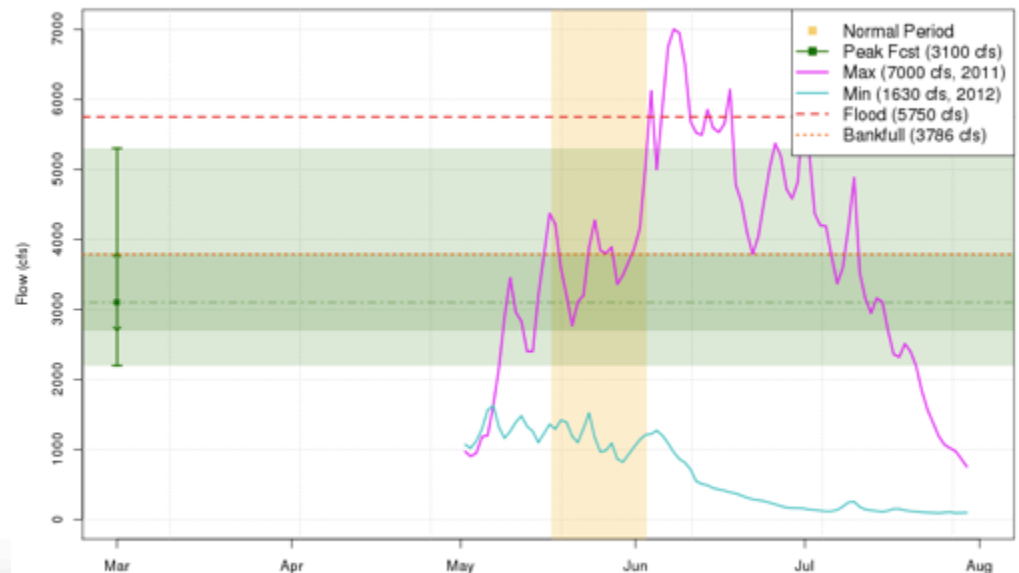
Last Year: 4,360 CFS

Elk River - Milner

Forecast: **3,100 CFS**
 Average: 3,865 CFS
 Flood: 5,750 CFS

Last Year: 5,190 CFS

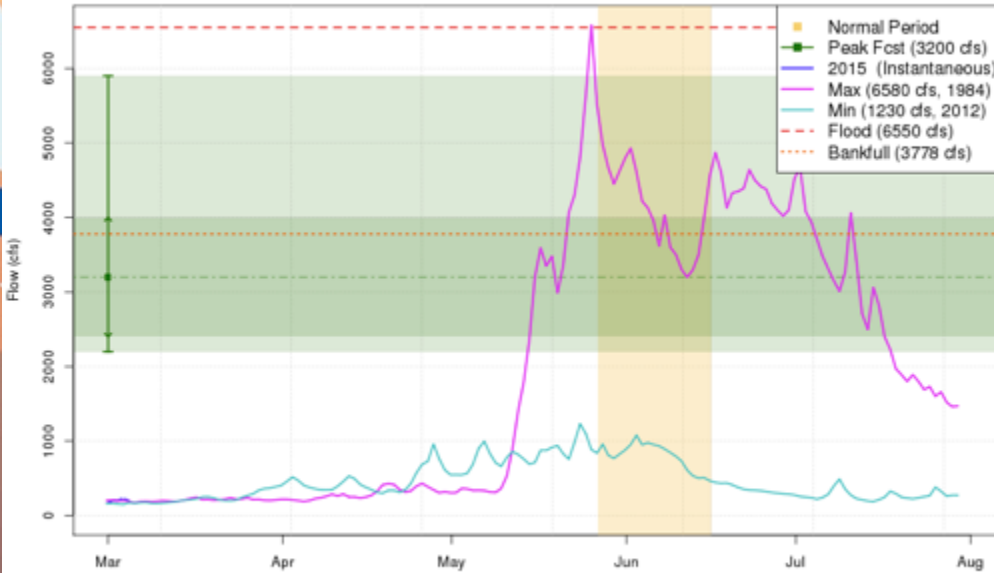
2015 Mean Daily Peak Flow Forecast
Elk - Milner- Nr (ENMC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1

Plot Created 2015-03-04 13:44:13
CBRFC / NWS / NOAA

2015 Mean Daily Peak Flow Forecast
Eagle - Gypsum- Blo (GPSC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:45:19
CBRFC / NWS / NOAA

Eagle River – Gypsum

Forecast: **3,200 CFS**
Average: 3,600 CFS
Flood: 6,550 CFS

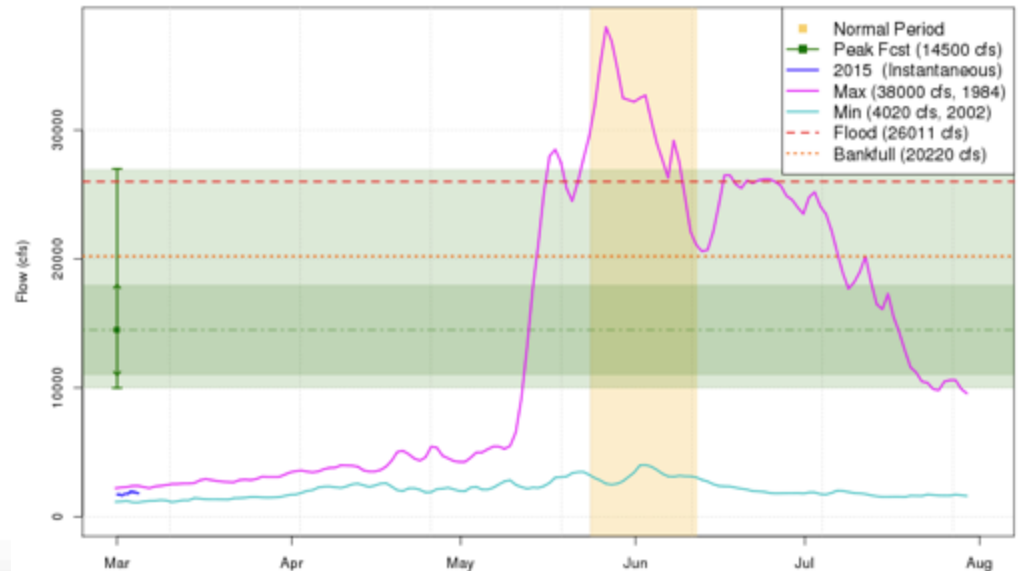
Last Year: 5,320 CFS

Colorado – Cameo

Forecast: **14,500 CFS**
Average: 17,000 CFS
Flood: 26,000 CFS

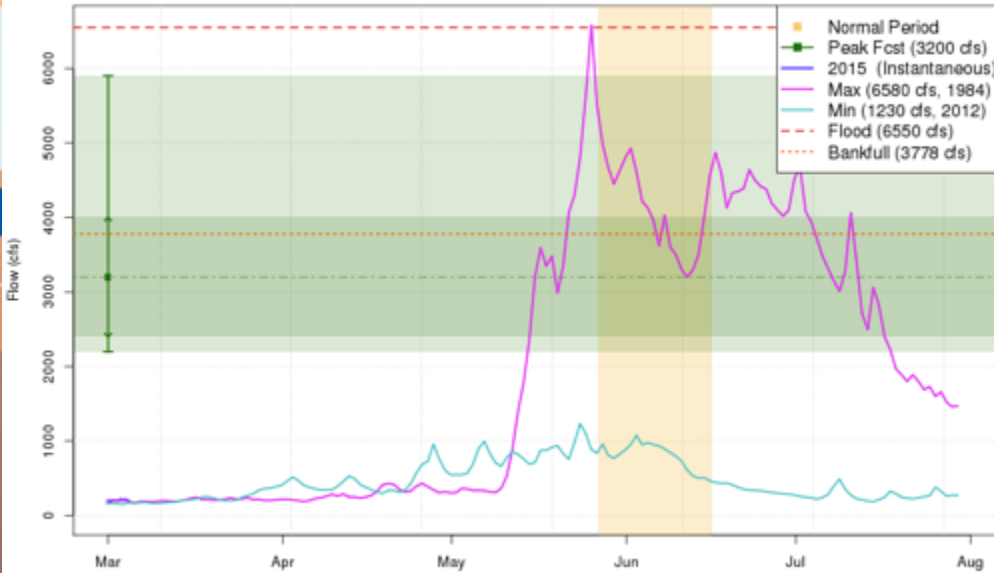
Last Year: 25,300 CFS

2015 Mean Daily Peak Flow Forecast
Colorado - Cameo- Nr (CAMC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:45:37
CBRFC / NWS / NOAA

2015 Mean Daily Peak Flow Forecast
Eagle - Gypsum- Blo (GPSC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:45:19
CBRFC / NWS / NOAA

Eagle River – Gypsum

Forecast: **3,200 CFS**
Average: 3,600 CFS
Flood: 6,550 CFS

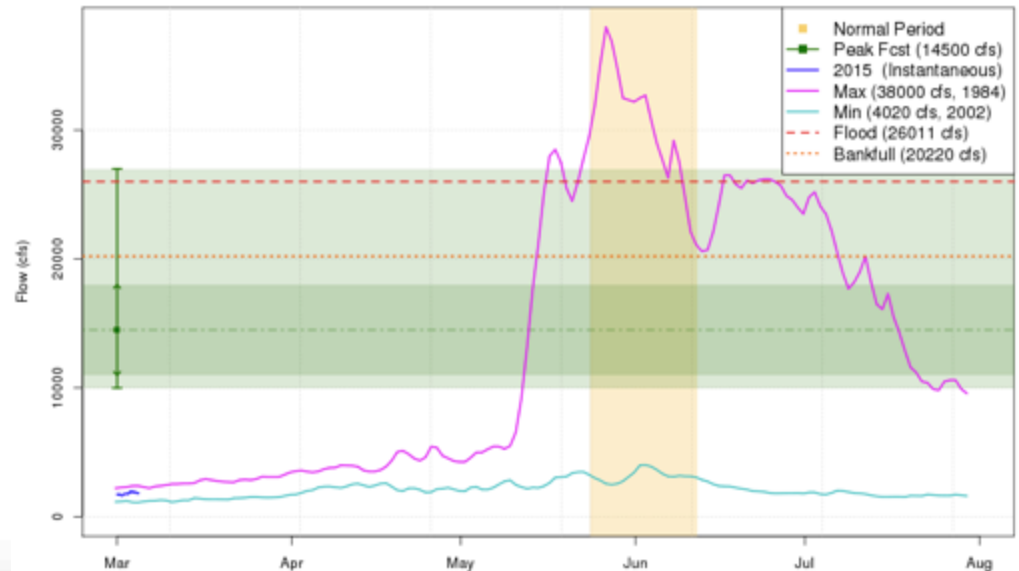
Last Year: 5,320 CFS

Colorado – Cameo

Forecast: **14,500 CFS**
Average: 17,000 CFS
Flood: 26,000 CFS

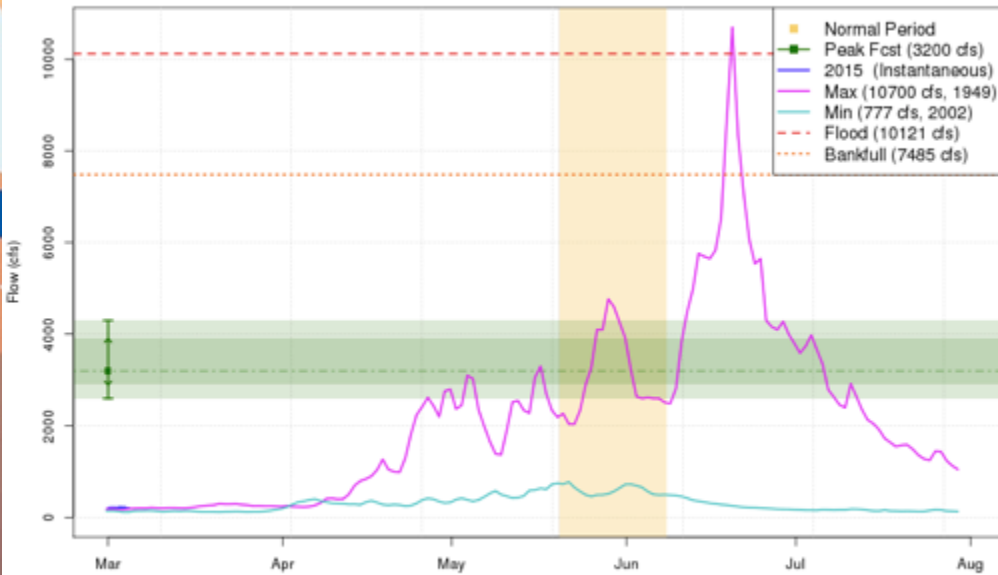
Last Year: 25,300 CFS

2015 Mean Daily Peak Flow Forecast
Colorado - Cameo- Nr (CAMC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:45:37
CBRFC / NWS / NOAA

2015 Mean Daily Peak Flow Forecast
Animas - Durango (DRGC2)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:44:45
CBRFC / NWS / NOAA

Animas – Durango

Forecast: **3,200 CFS**
Average: 4,575 CFS
Flood: 10,200 CFS

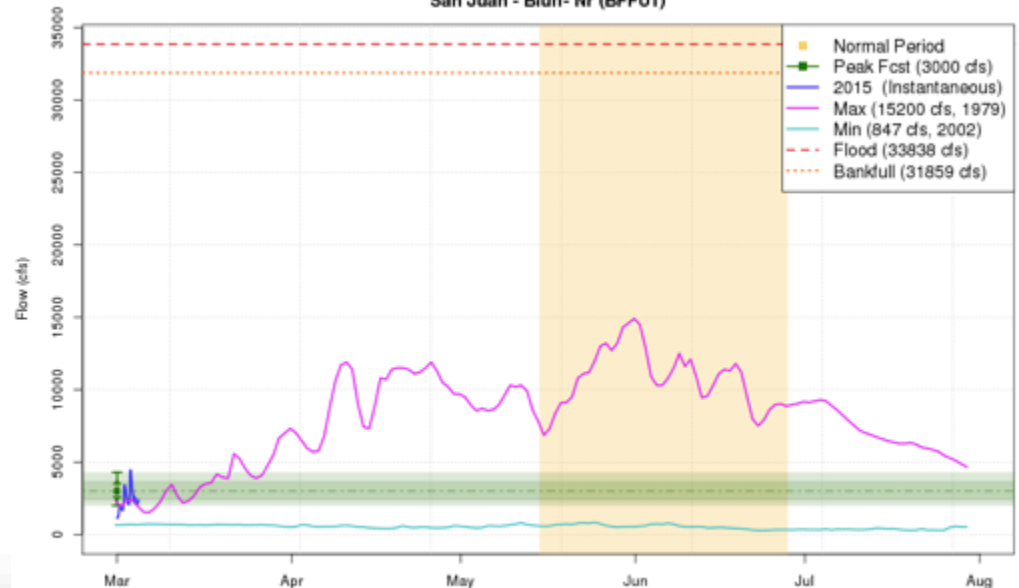
Last Year: 4,550 CFS

San Juan – Bluff

Forecast: **3,000 CFS**
Average: 7,340 CFS
Flood: 33,840 CFS

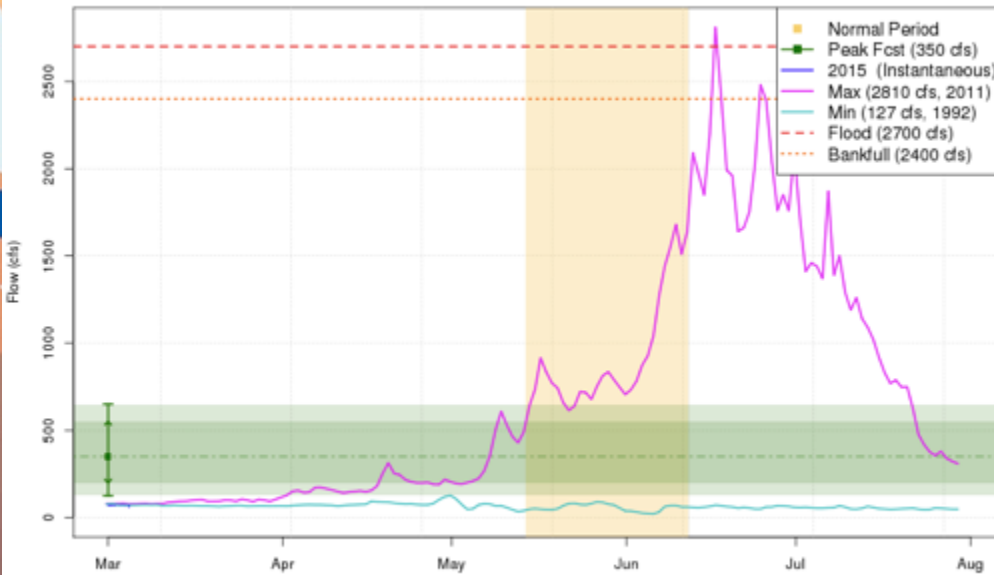
Last Year: 4,110 CFS

2015 Mean Daily Peak Flow Forecast
San Juan - Bluff- Nr (BFFU1)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:44:59
CBRFC / NWS / NOAA

2015 Mean Daily Peak Flow Forecast
Duchesne - Tabiona- Nr (TADU1)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:43:06
CBRFC / NWS / NOAA

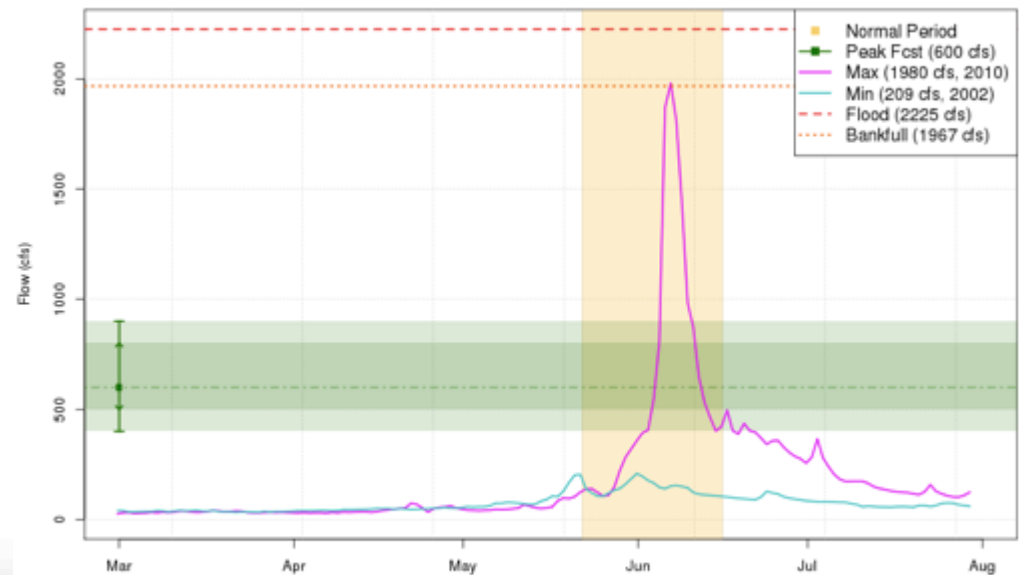
Duchesne – Tabiona

Forecast:	350 CFS
Average:	925 CFS
Flood:	2,700 CFS
Last Year:	410 CFS

Yellowstone – Altonah

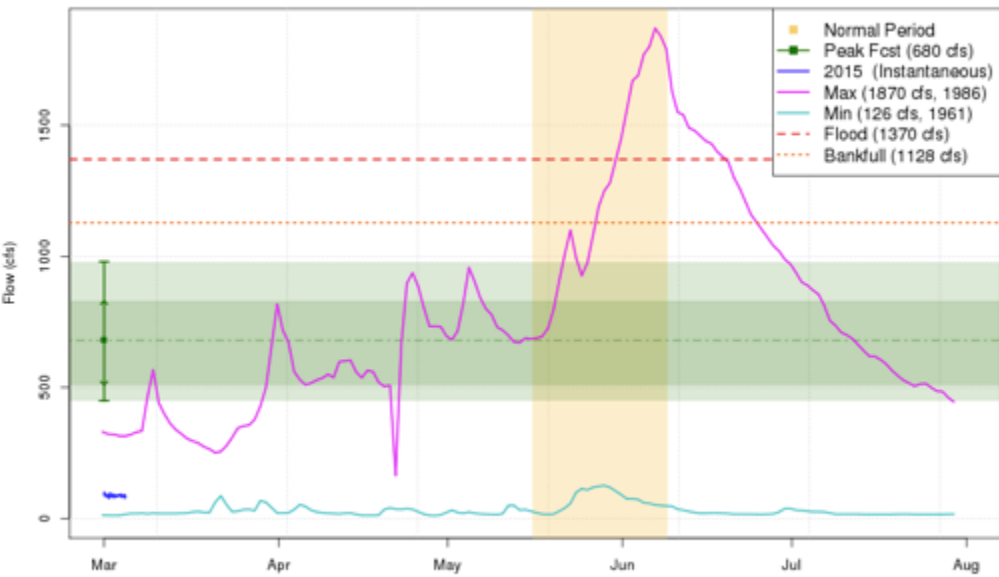
Forecast:	600 CFS
Average:	950 CFS
Flood:	2,225 CFS
Last Year:	580 CFS

2015 Mean Daily Peak Flow Forecast
Yellowstone - Altonah- Nr (YLLU1)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:43:20
CBRFC / NWS / NOAA

2015 Mean Daily Peak Flow Forecast
Logan - Logan- Nr- State Dam- Abv (LGNU1)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:46:07
CBRFC / NWS / NOAA

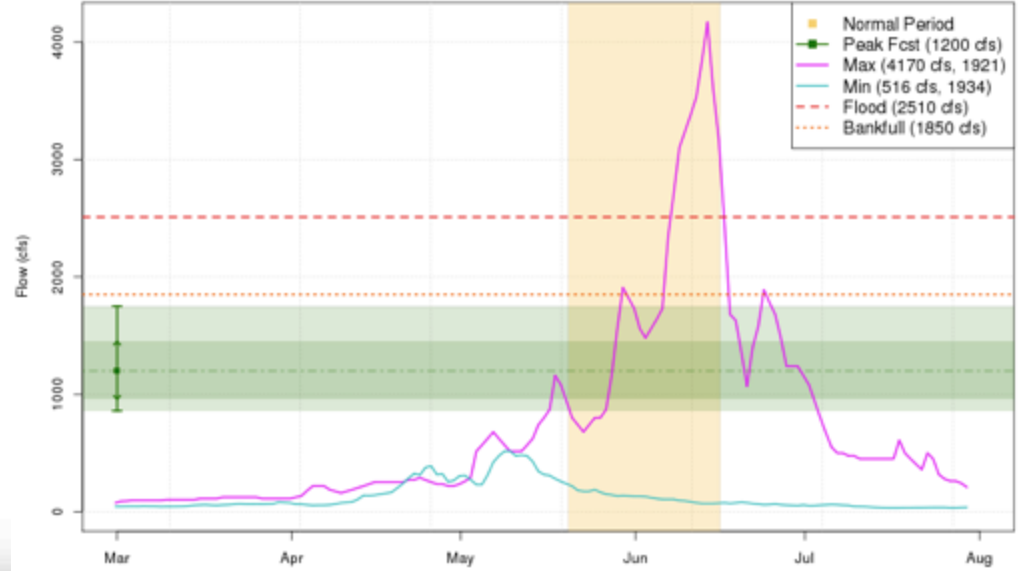
Logan River – Logan

Forecast: **680 CFS**
 Average: 950 CFS
 Flood: 1,372 CFS
 Last Year: 770 CFS

Weber River – Oakley

Forecast: **1,200 CFS**
 Average: 1,645 CFS
 Flood: 2,510 CFS
 Last Year: 1,650 CFS

2015 Mean Daily Peak Flow Forecast
Weber - Oakley- Nr (OAWU1)



These graphics are updated approximately every two weeks between 3/1 and 5/1
Plot Created 2015-03-04 13:46:40
CBRFC / NWS / NOAA

Peak Flow Forecast Summary

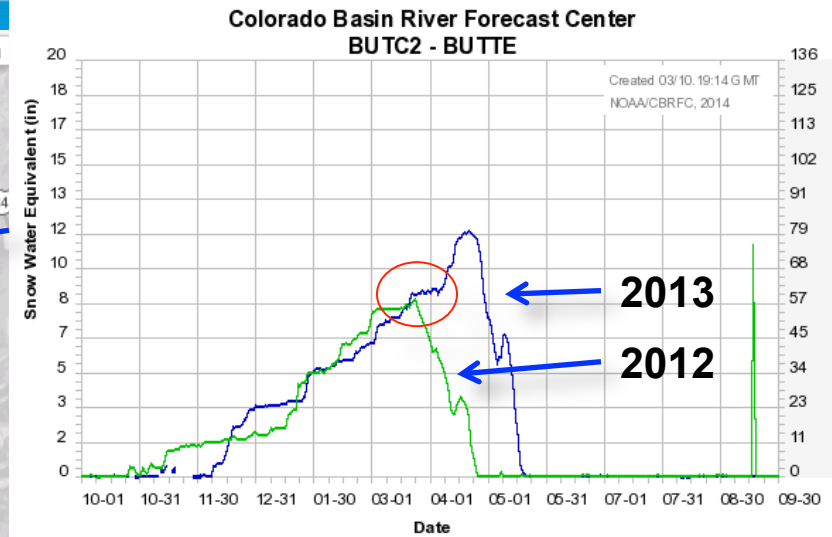
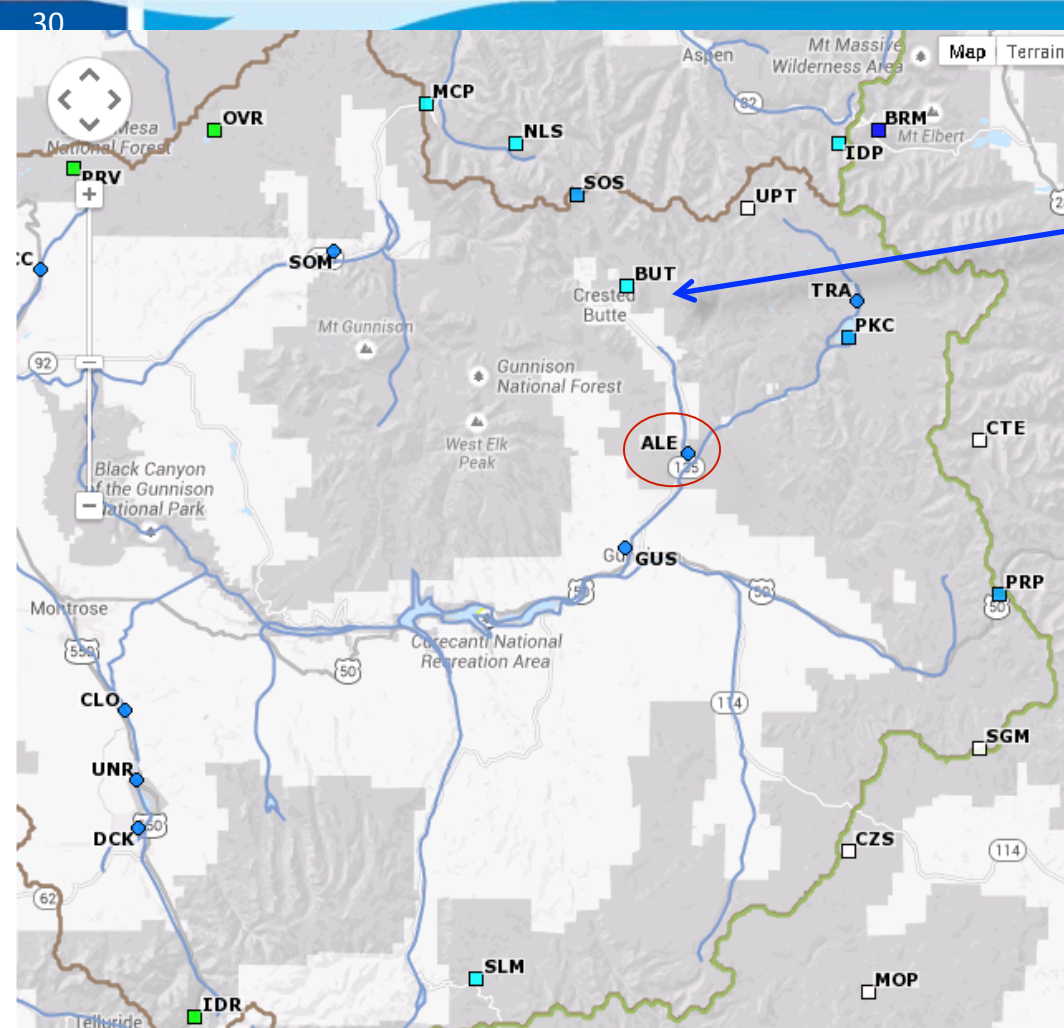
29

- Average to below average conditions exist throughout much of the CBRFC region
 - Currently, only Colorado River at Cameo station with a 10% exceedance probability above flood stage
 - Important to note that even under these conditions, floods can happen in any given year under changing weather conditions – spring weather really matters!
 - Increased snowpack
 - Spring temperatures combined with precipitation
 - Rain events can enhance runoff
 - Important to monitor daily forecasts



The impact of spring weather: Gunnison River Basin – East River at Almont

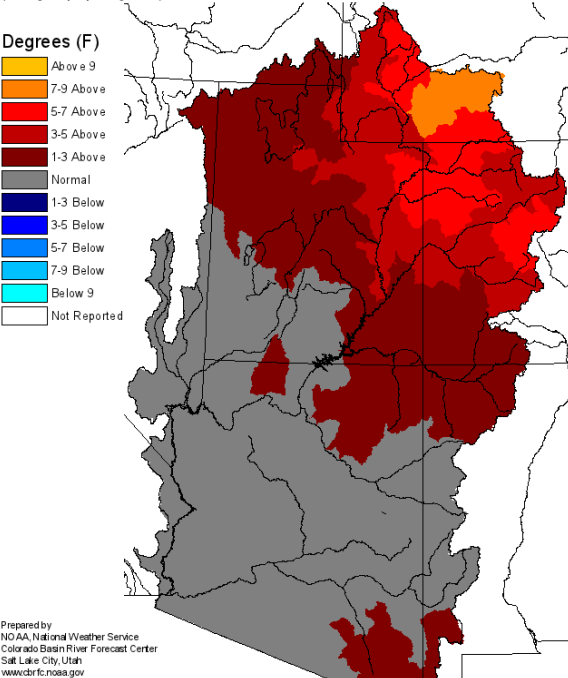
30



Similar snow in late March



Monthly Max Temp Deviation for March 2012
(Averaged by Hydrologic Unit)



The impact of spring weather

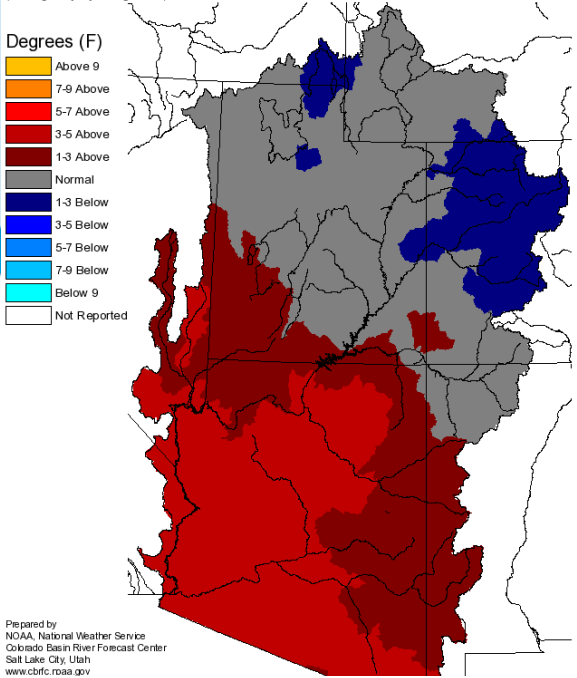
2012
Above Average



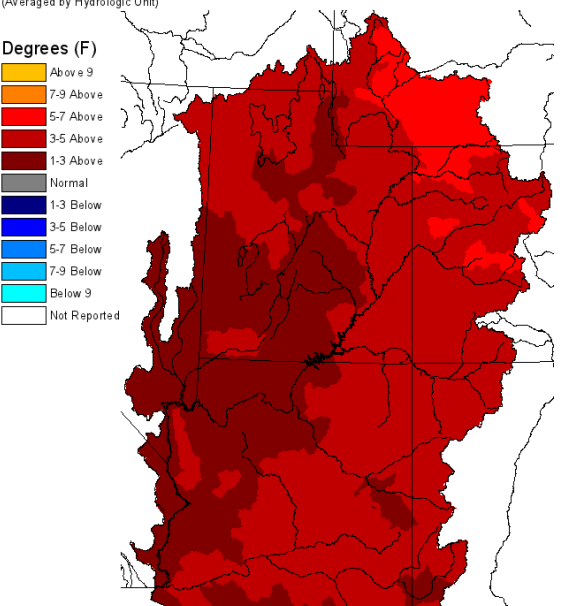
2013
Near-Below Average



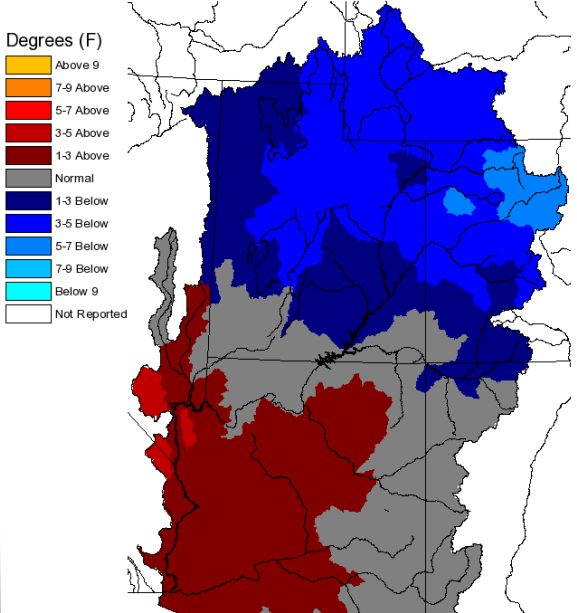
Monthly Max Temp Deviation for March 2013
(Averaged by Hydrologic Unit)



Monthly Max Temp Deviation for April 2012
(Averaged by Hydrologic Unit)

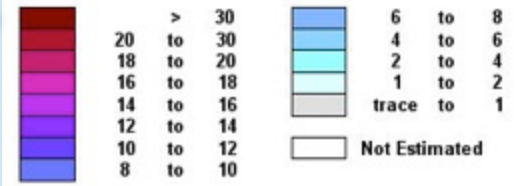


Monthly Max Temp Deviation for April 2013
(Averaged by Hydrologic Unit)



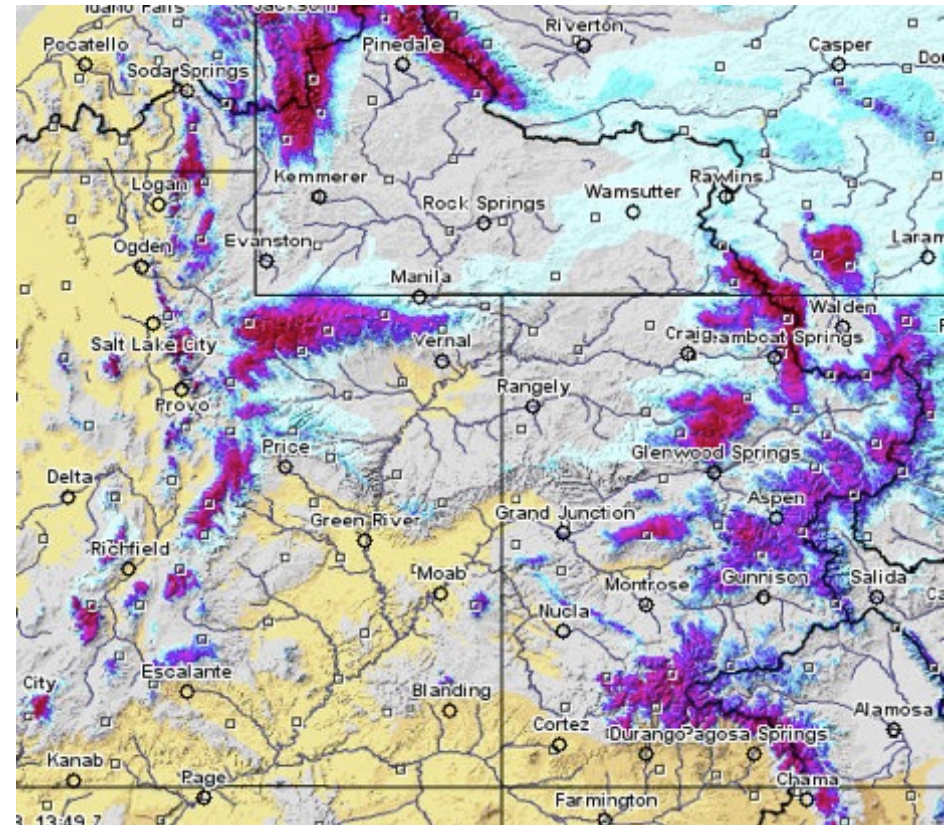
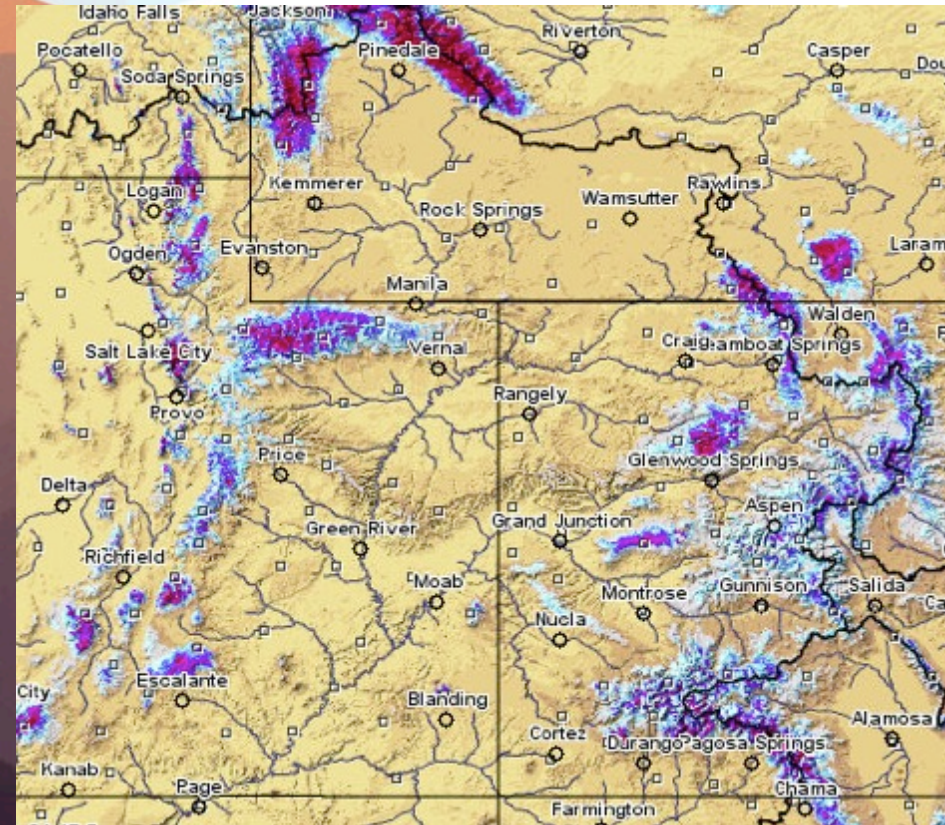
The impact of spring weather

Inches of water equivalent



April 18 2012

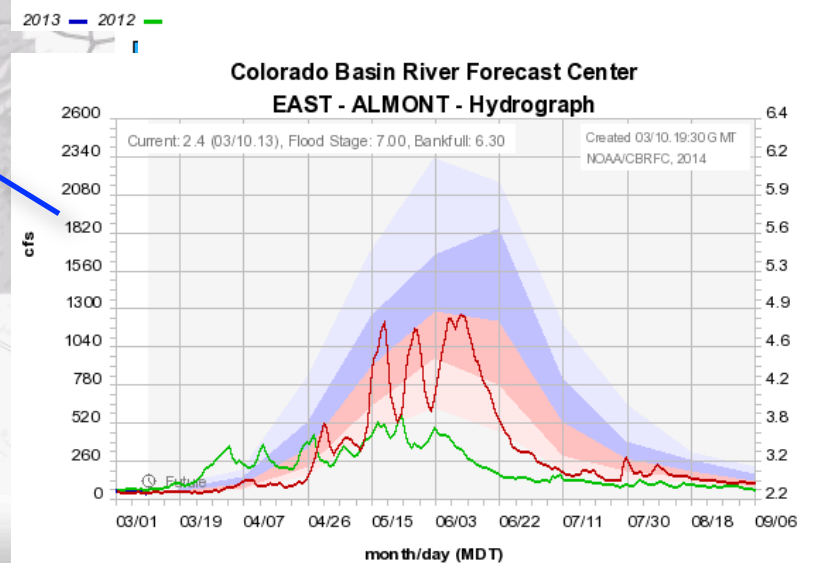
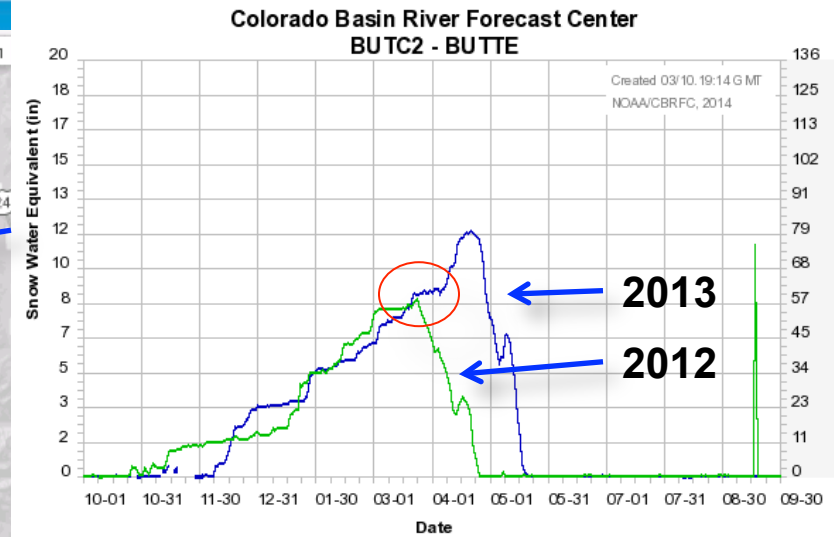
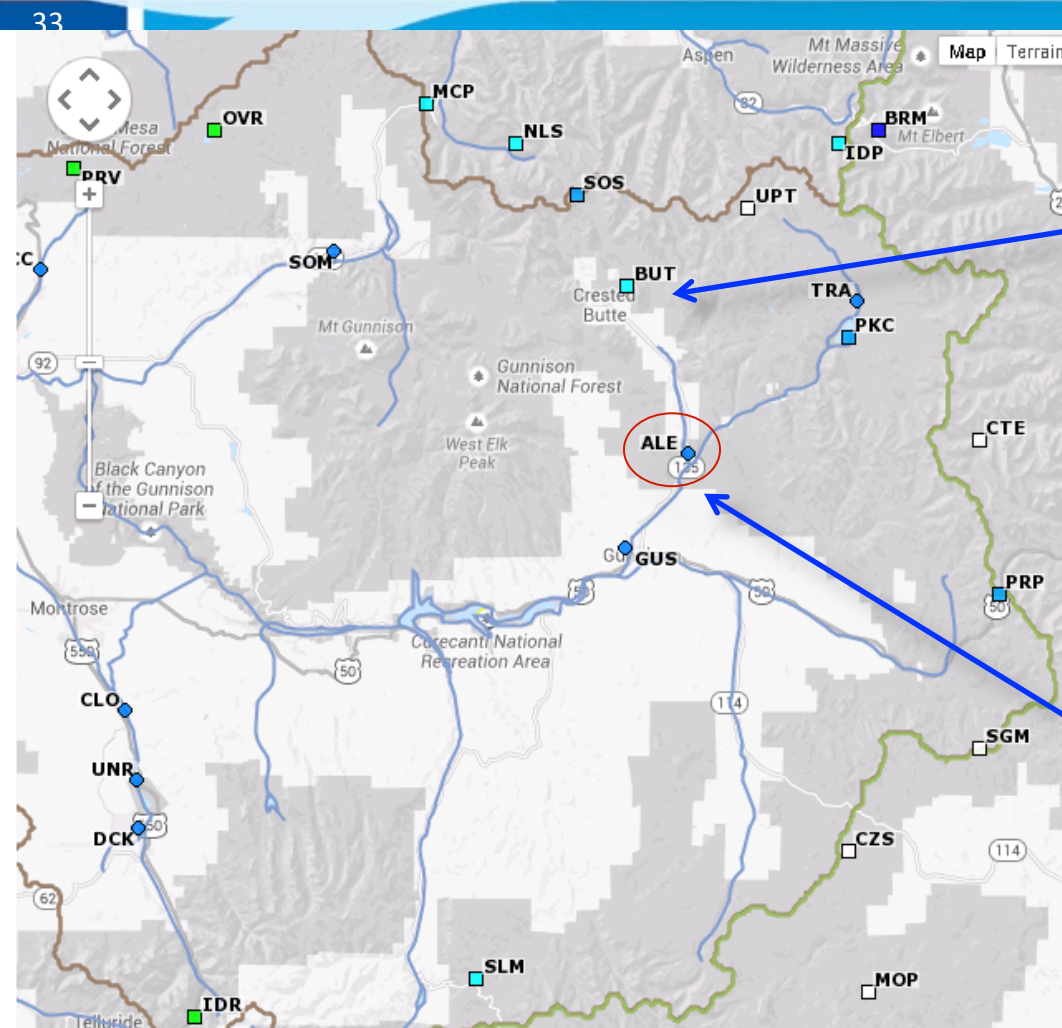
April 18 2013



2013 Retained and added to the snowpack compared to 2012

The impact of spring weather: Gunnison River Basin – East River at Almont

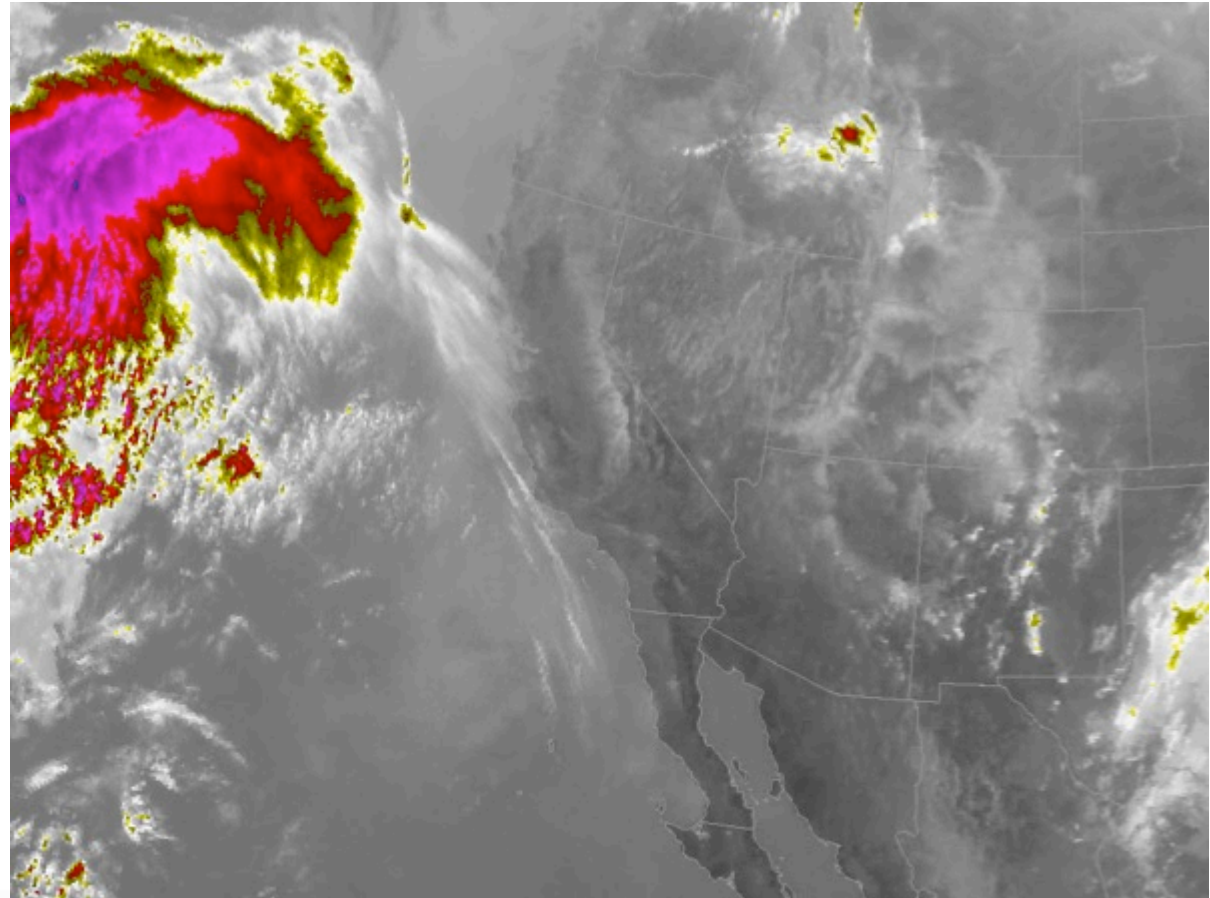
33



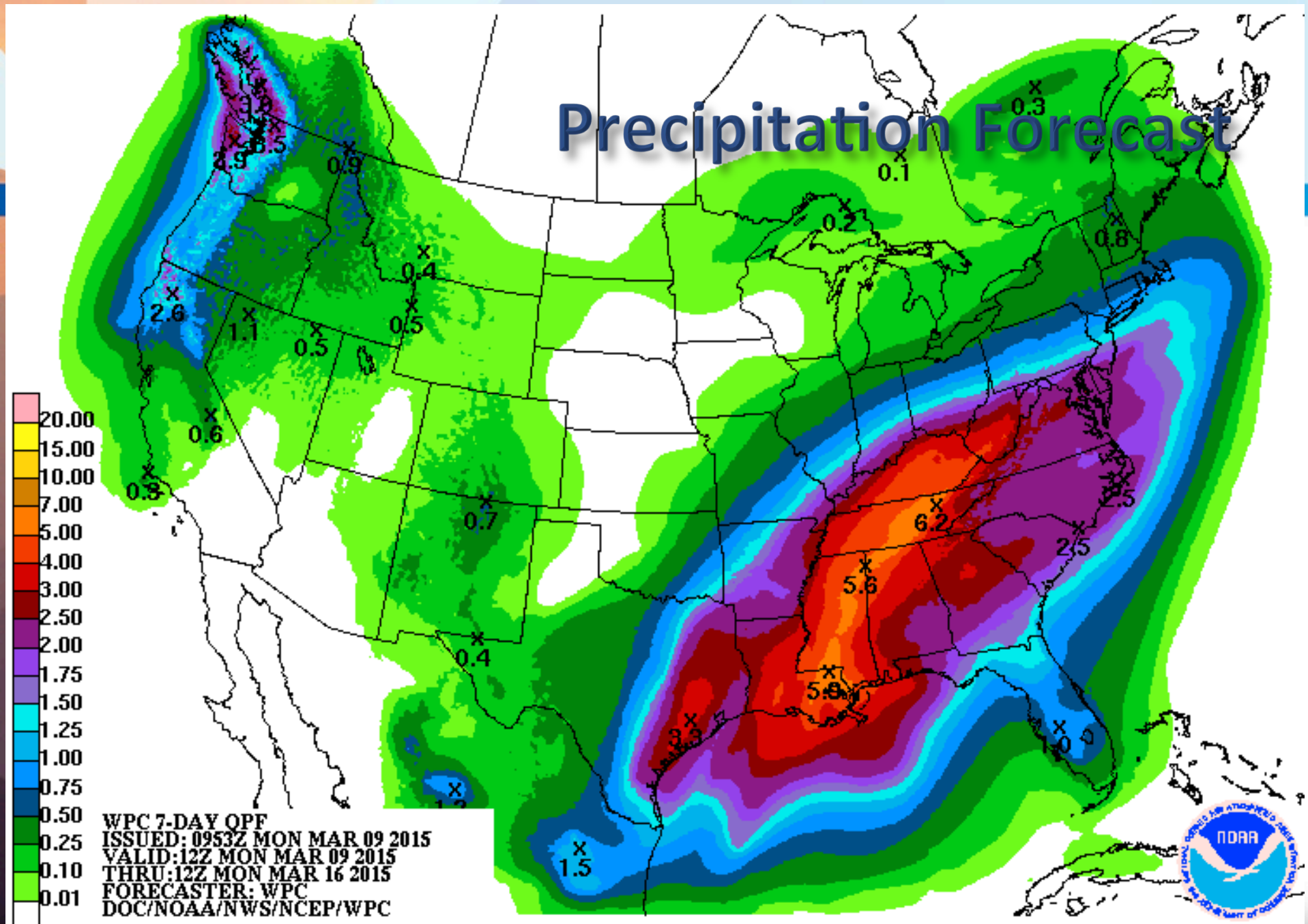
Upcoming Weather

34

Generally dry and warm over the next week, with a chance for scattered precipitation across the Upper Colorado River Basin on Wednesday through Thursday

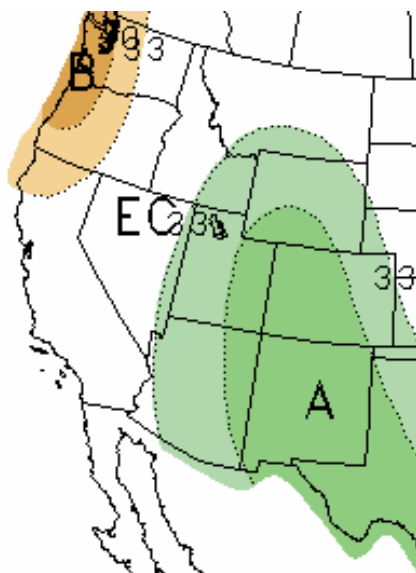


Precipitation Forecast



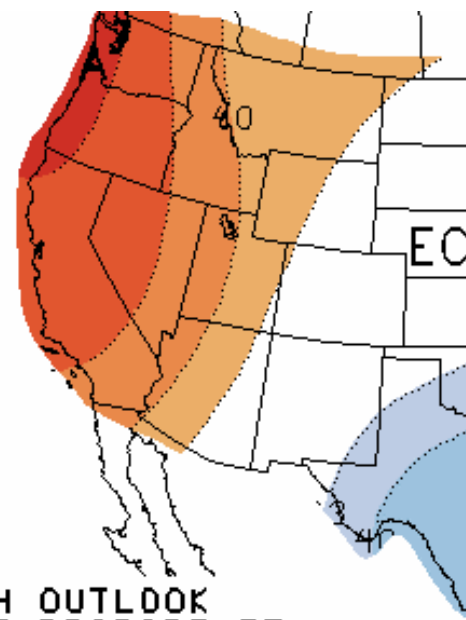
Three Month Climate Outlooks

36



THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MAM 2015
MADE 19 FEB 2015

2



THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID MAM 2015
MADE 19 FEB 2015

2

Web Reference: http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1



Peak Flow Forecast Schedule

37

- Will update peak flow forecasts twice a month (with final and mid-month updates) through early May
- Upcoming Webinar Schedule
 - Water Supply:
 - April 7th 11 a.m. Mountain
 - May 7th 11 a.m. Mountain
 - Peak Flows:
 - Will schedule another one in April



Contact us!

- Michelle Stokes – Hydrologist In Charge
 - michelle.stokes@noaa.gov
- Brenda Alcorn – Colorado Headwaters Basin Focal Point
 - brenda.alcorn@noaa.gov
- Greg Smith – San Juan Basin Focal Point
 - greg.smith@noaa.gov
- Ashley Nielson – Green River Basin Focal Point
 - ashley.nielson@noaa.gov
- Tracy Cox – Lower Colorado Basin Focal Point
 - tracy.cox@noaa.gov
- Paul Miller – Great Basin Focal Point
 - paul.miller@noaa.gov

Socialize with us!

39



@nwscbrfc



facebook.com/nwscbrfc



The background features a stylized landscape. On the left, a vertical strip shows a sunset or sunrise with a large orange and yellow sun partially obscured by light blue, wavy shapes representing clouds or water. Below the sun, there are dark brown and purple shapes representing mountains. A thick blue horizontal band runs across the top of the slide. The main body of the slide is white, and the bottom edge is decorated with a dark blue wave-like shape.

QUESTIONS?